

Fig. 1

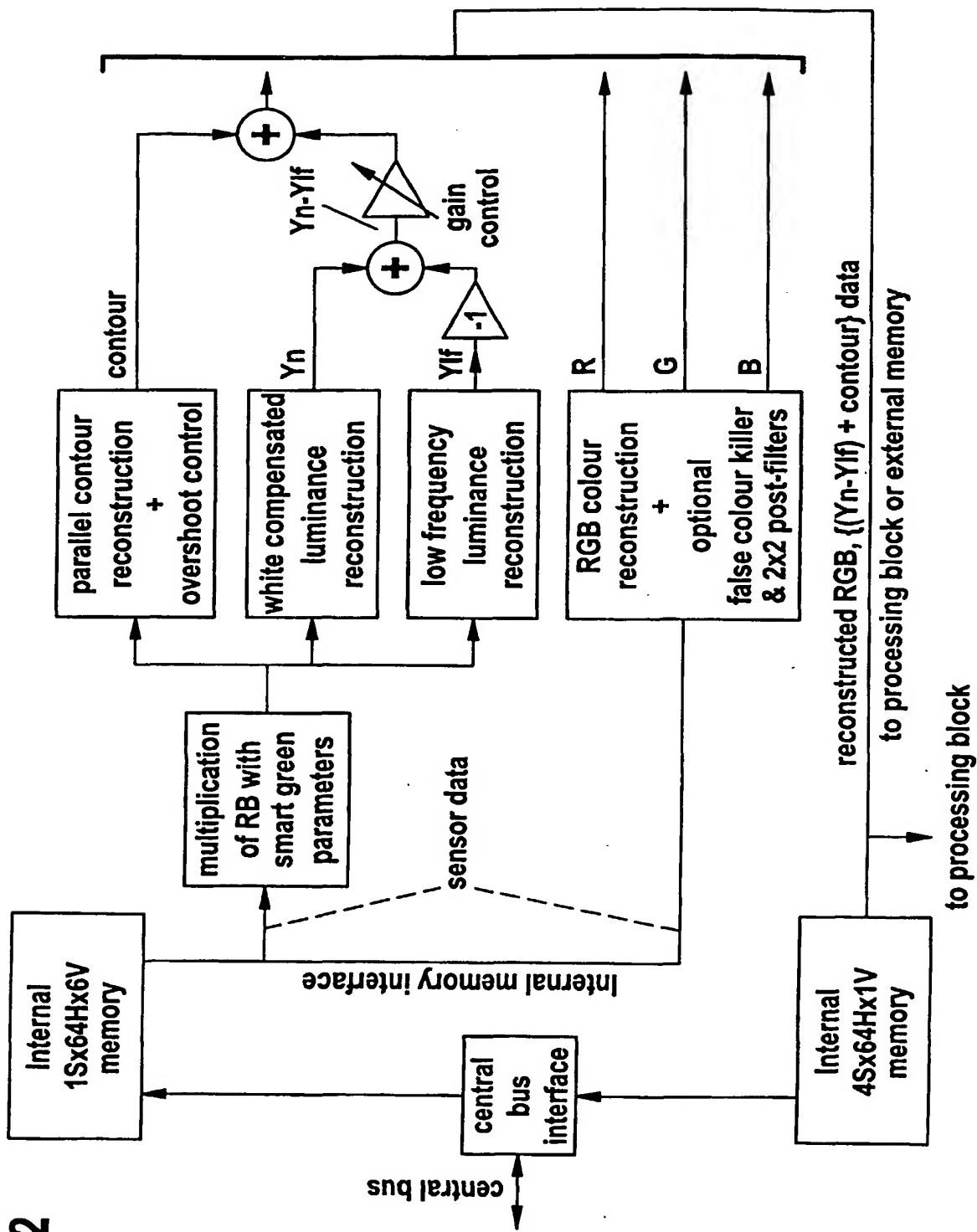
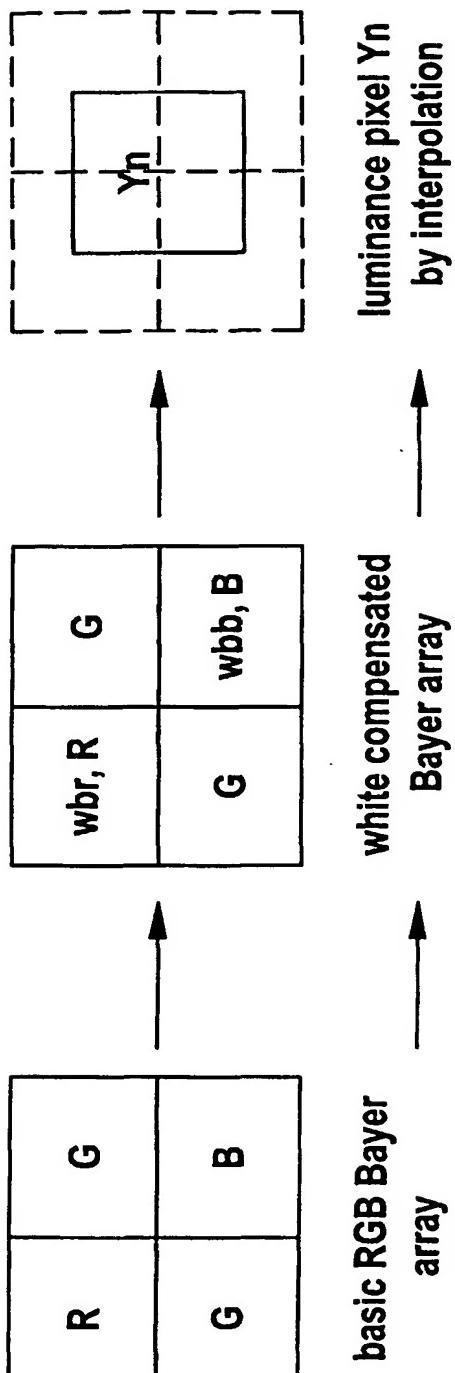
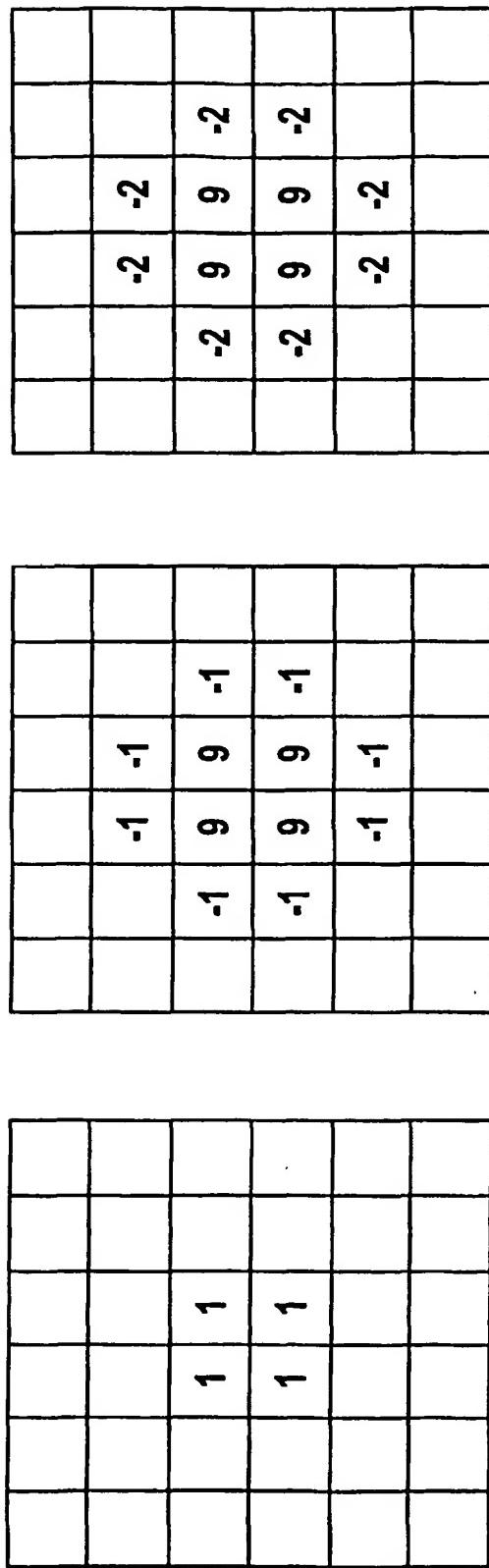
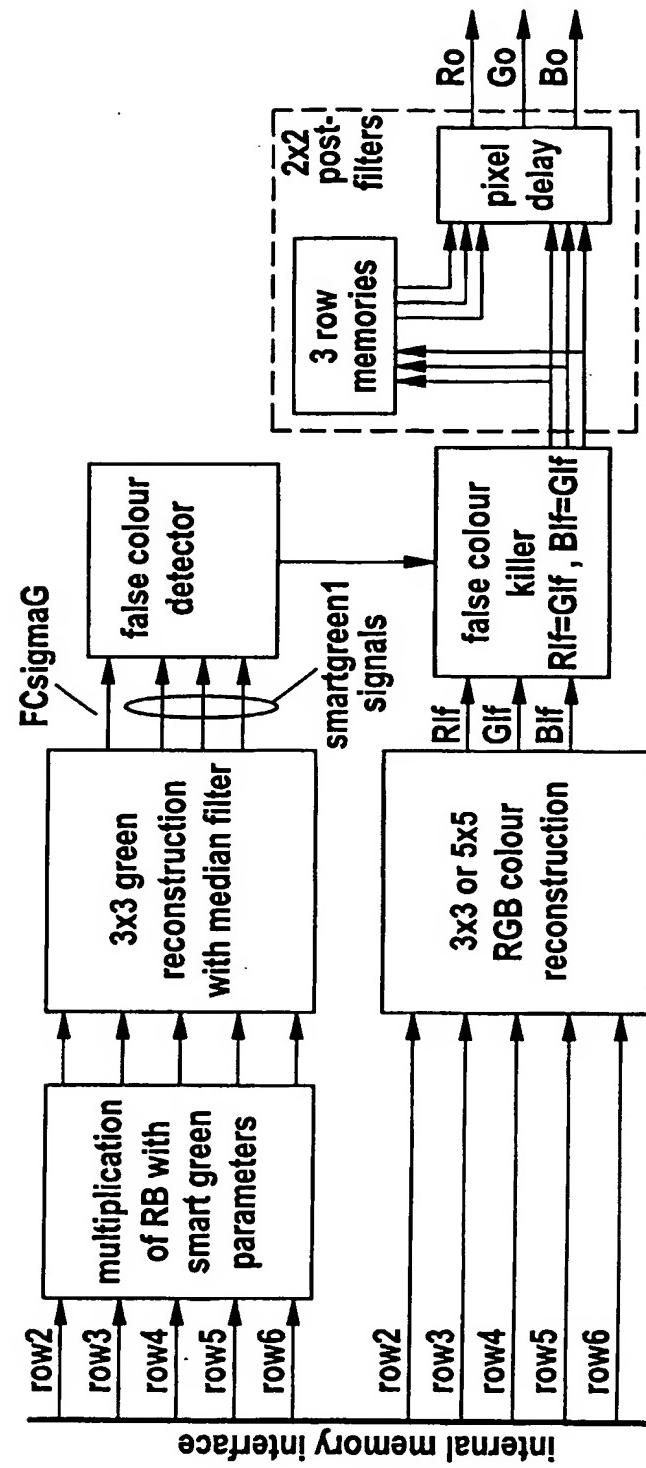
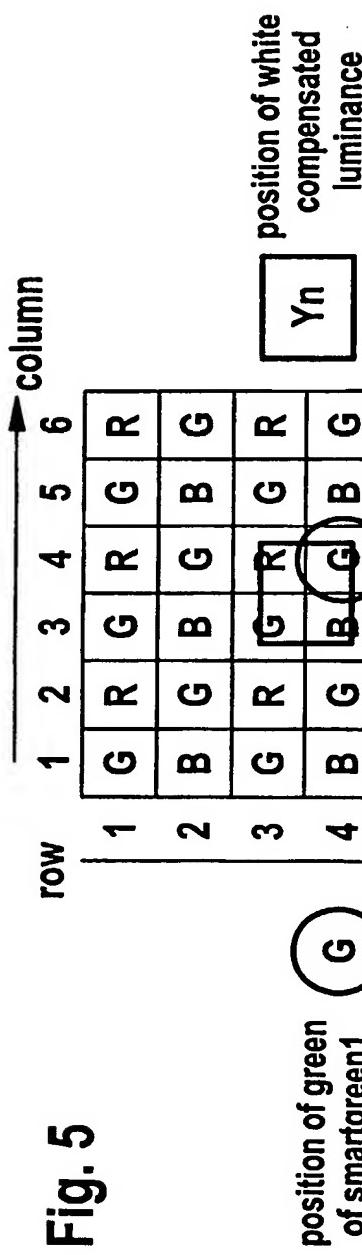


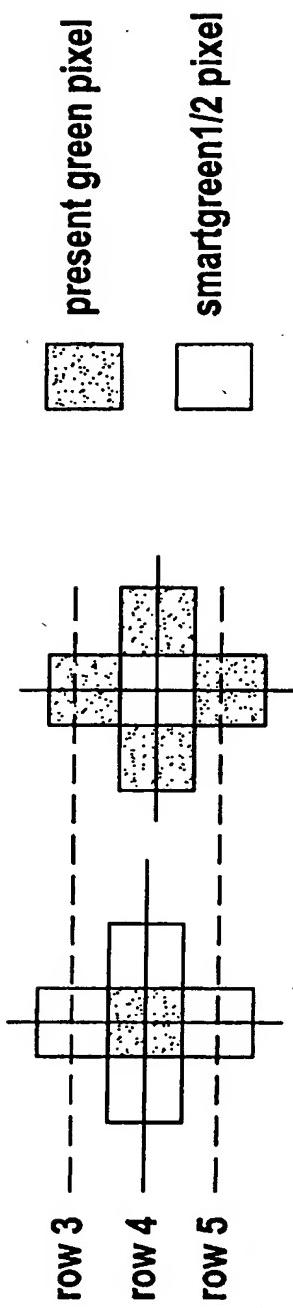
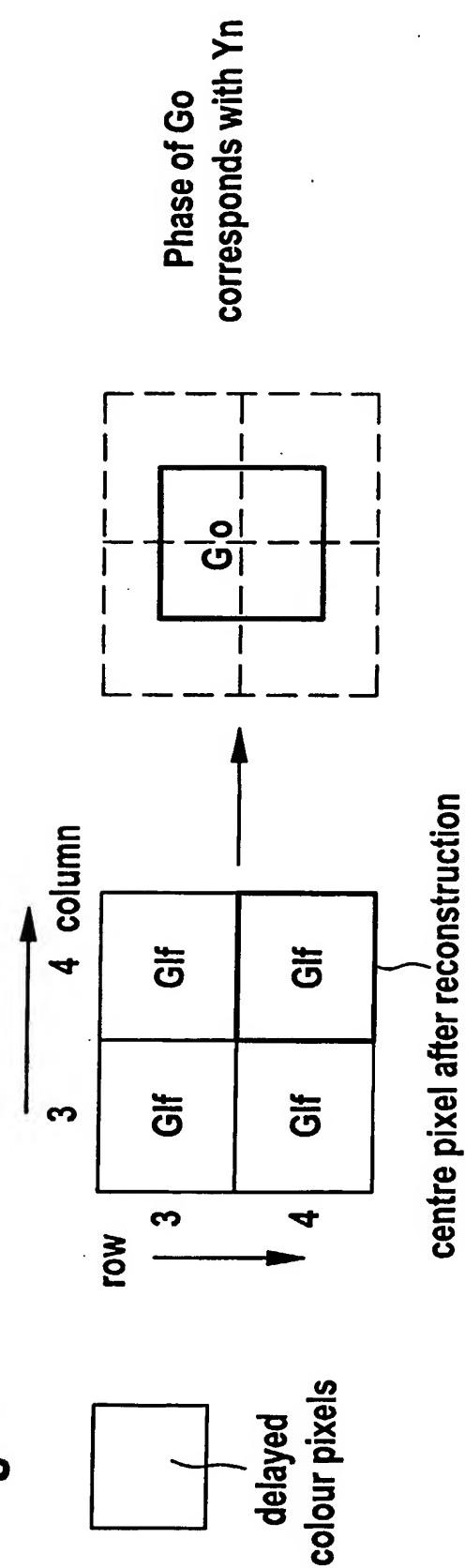
Fig. 2

**Fig. 3****Fig. 4**

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**Fig. 7****Fig. 8**

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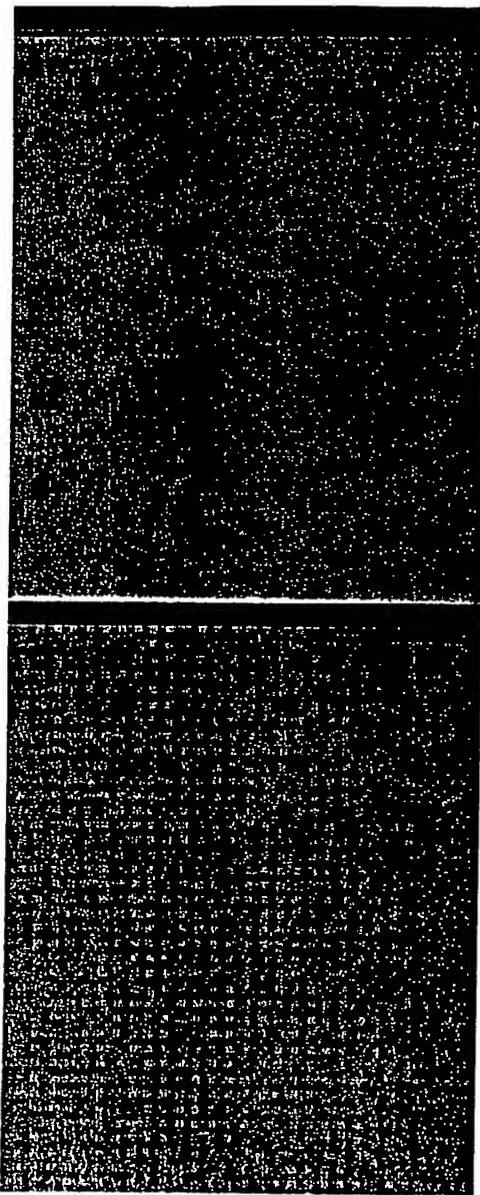


Fig. 9

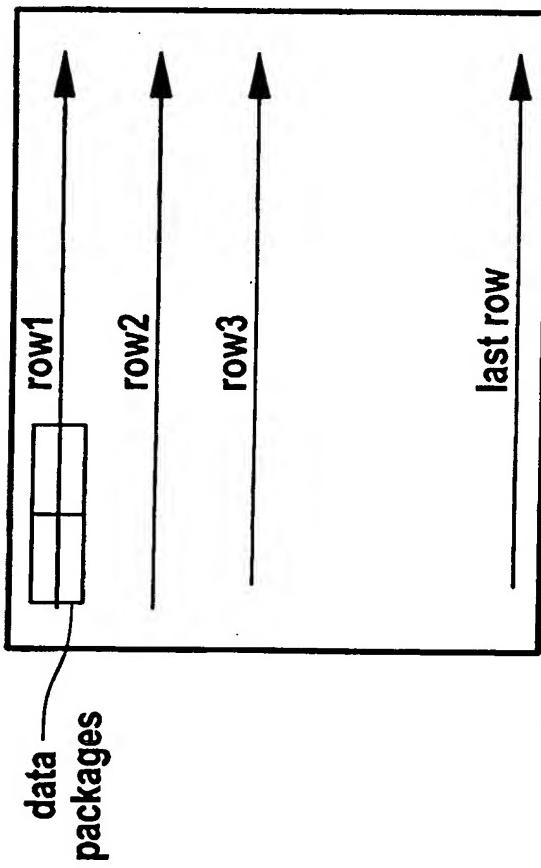
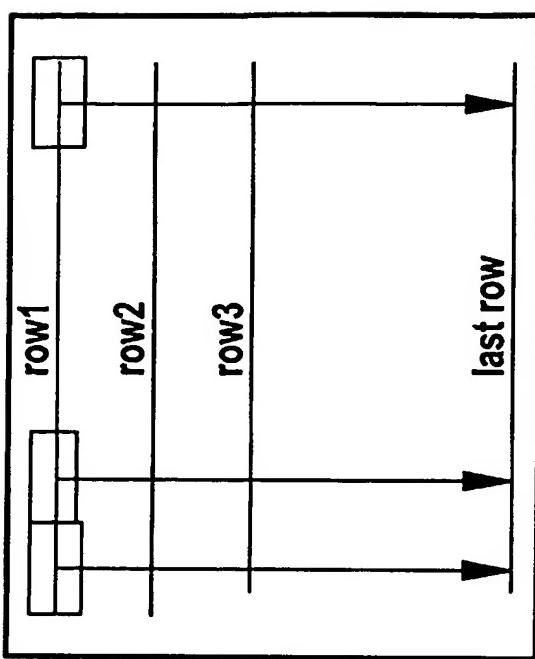
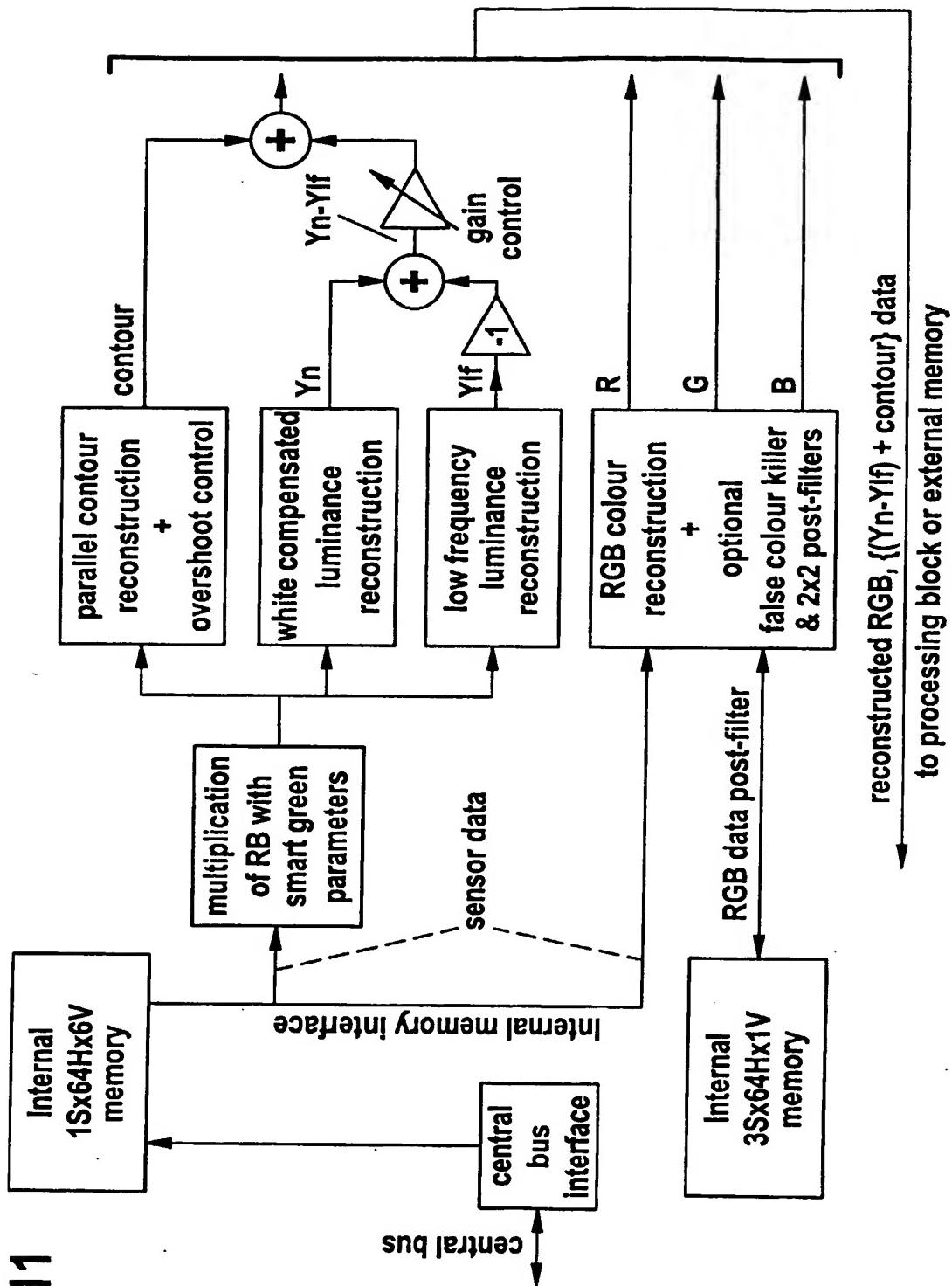


Fig. 10

**Fig. 11**

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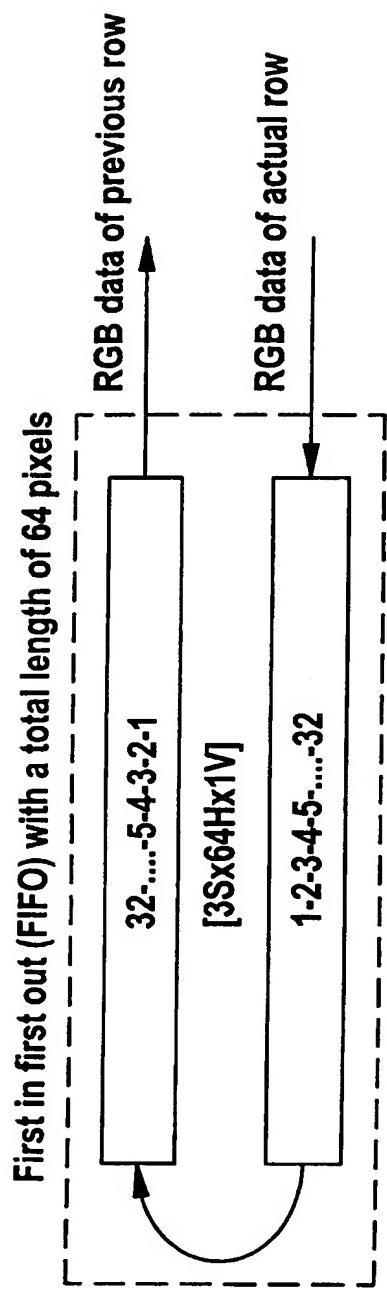


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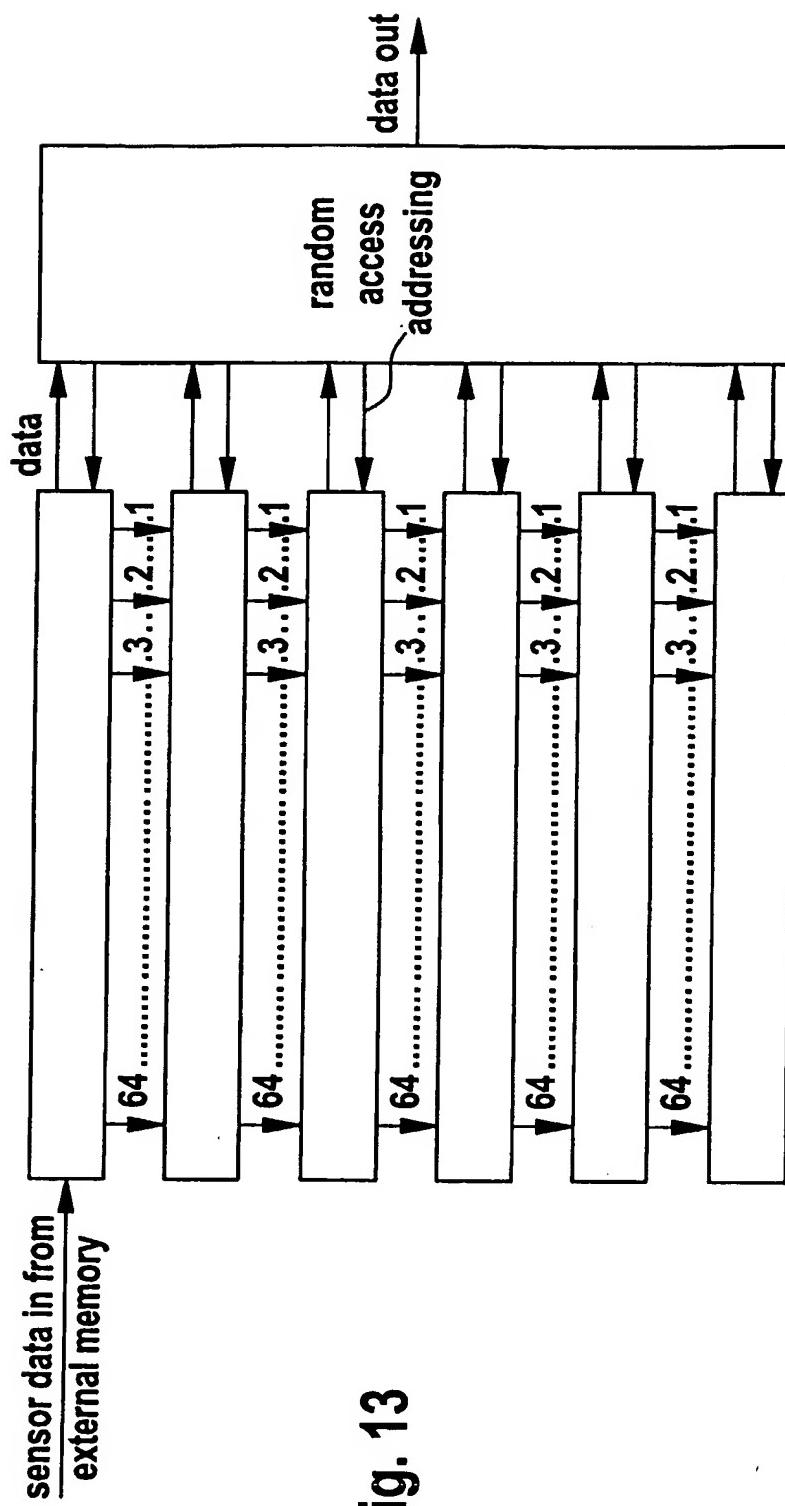
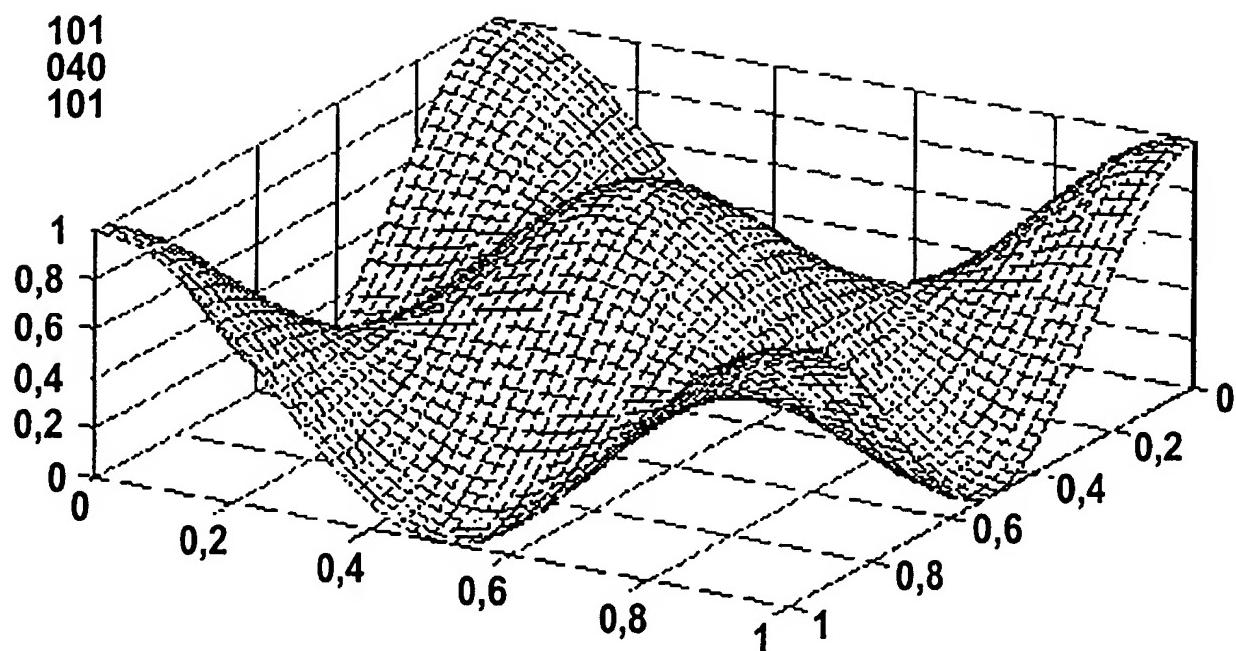
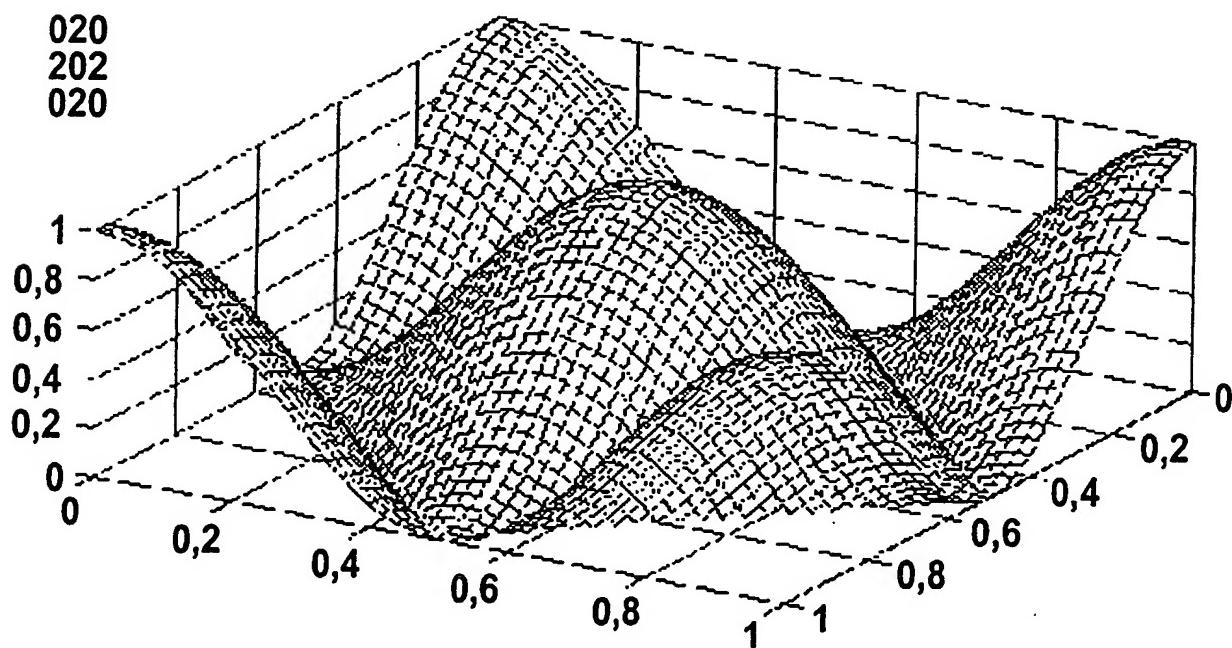


Fig. 13

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**Fig. 14****Fig. 15**

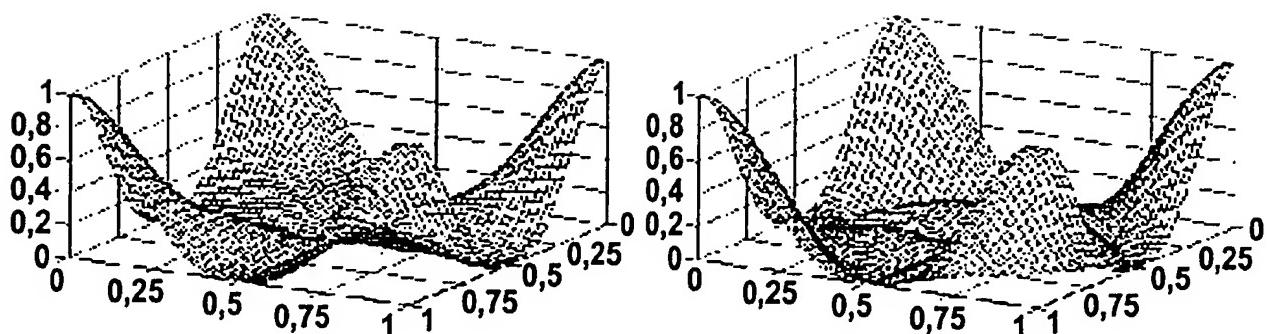
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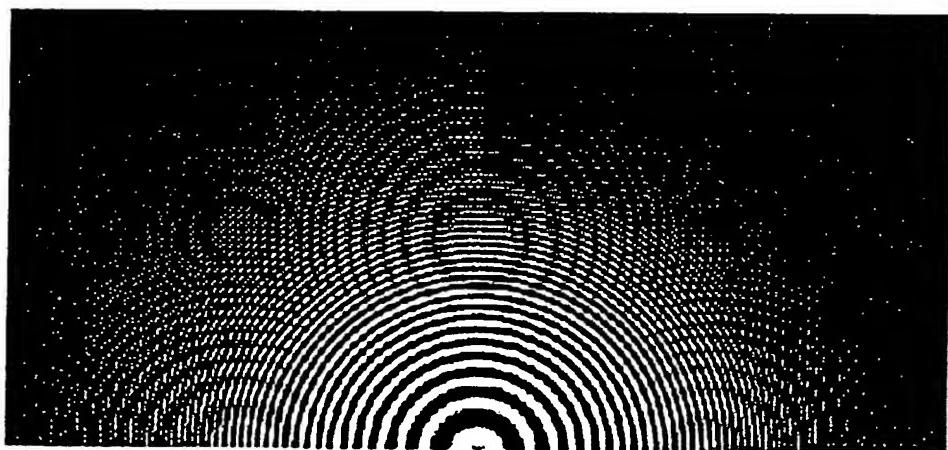
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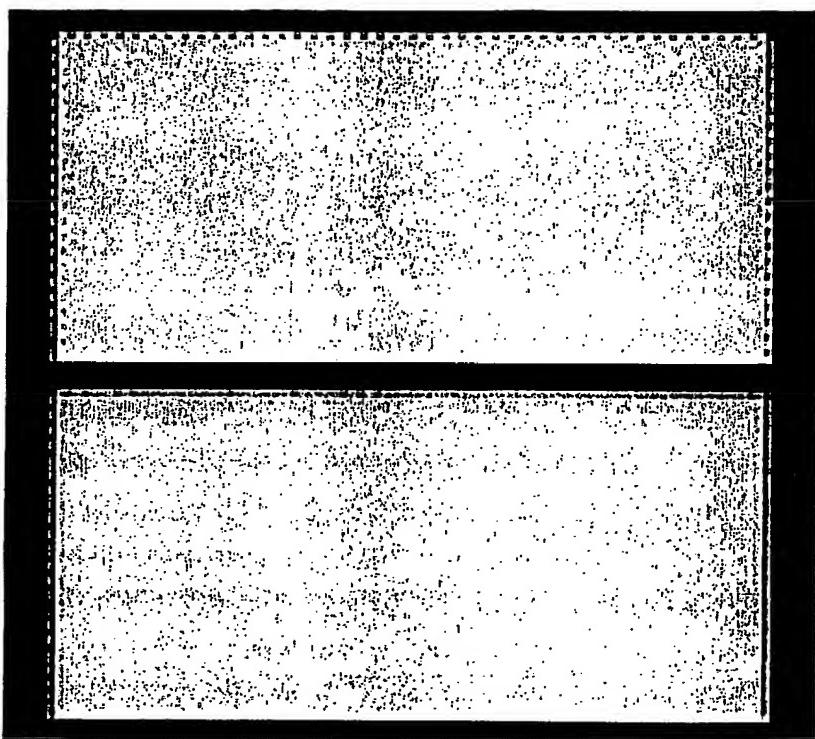
**Fig. 16**



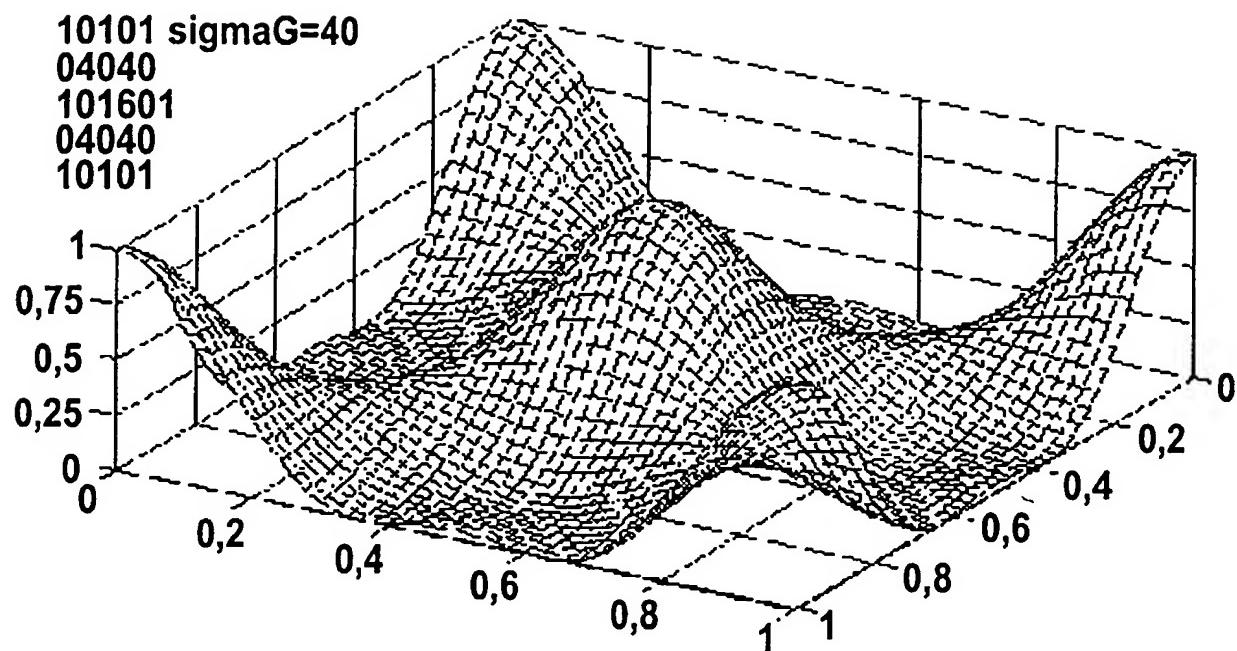
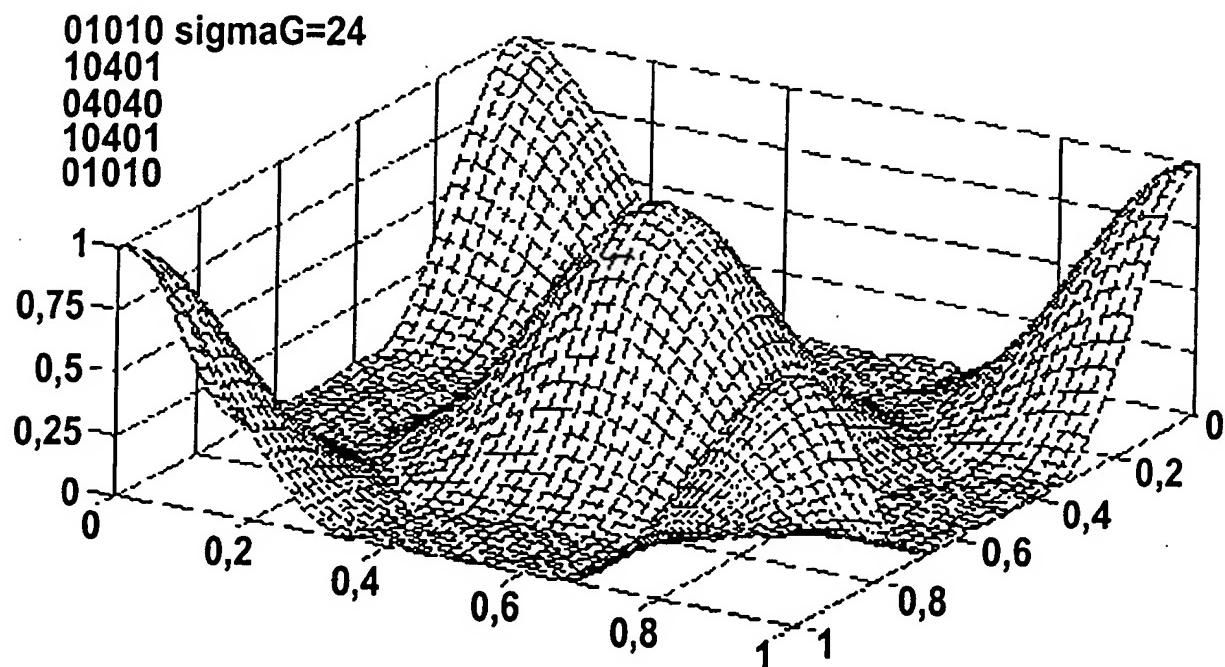
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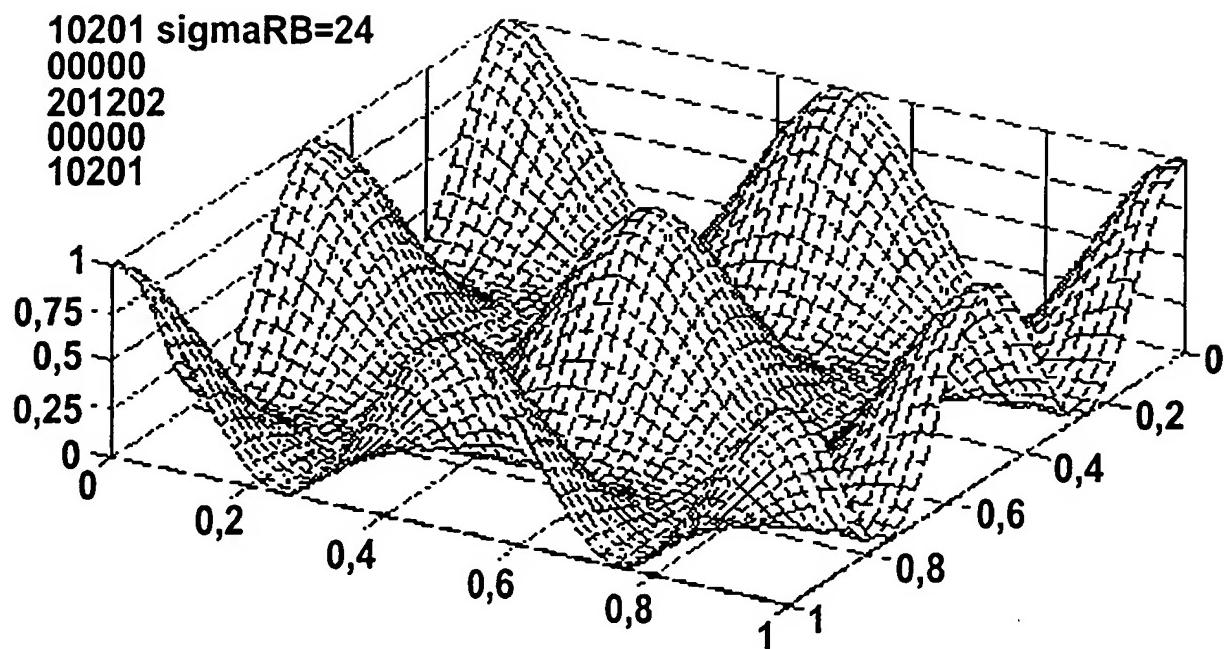
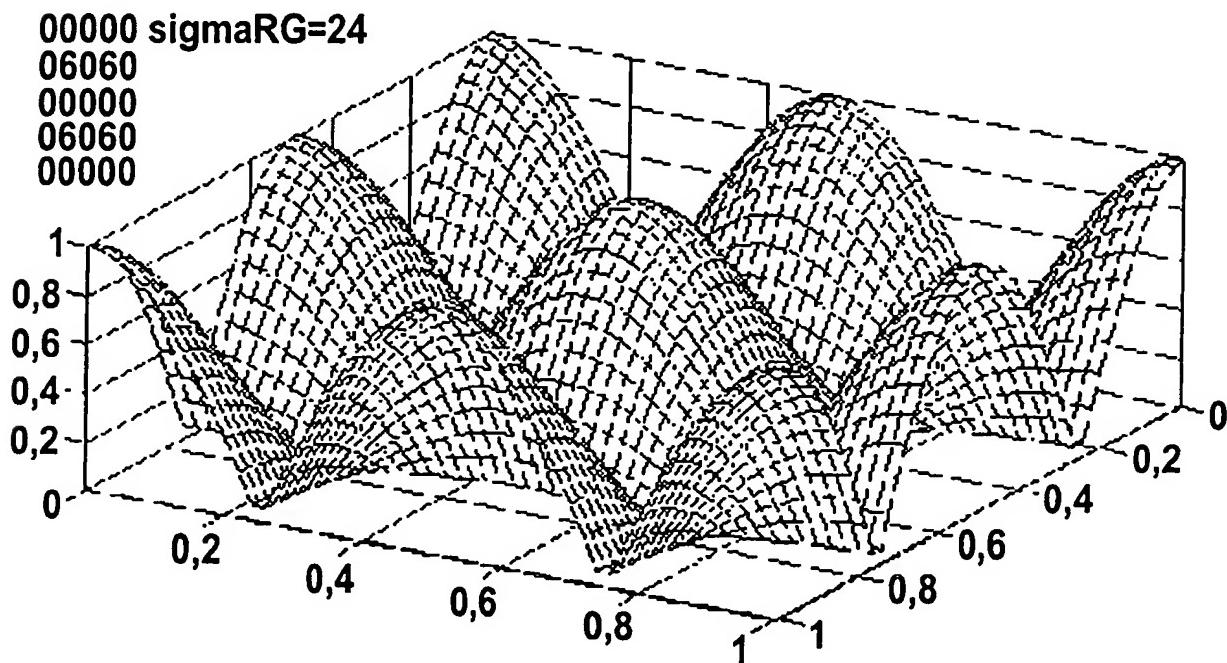


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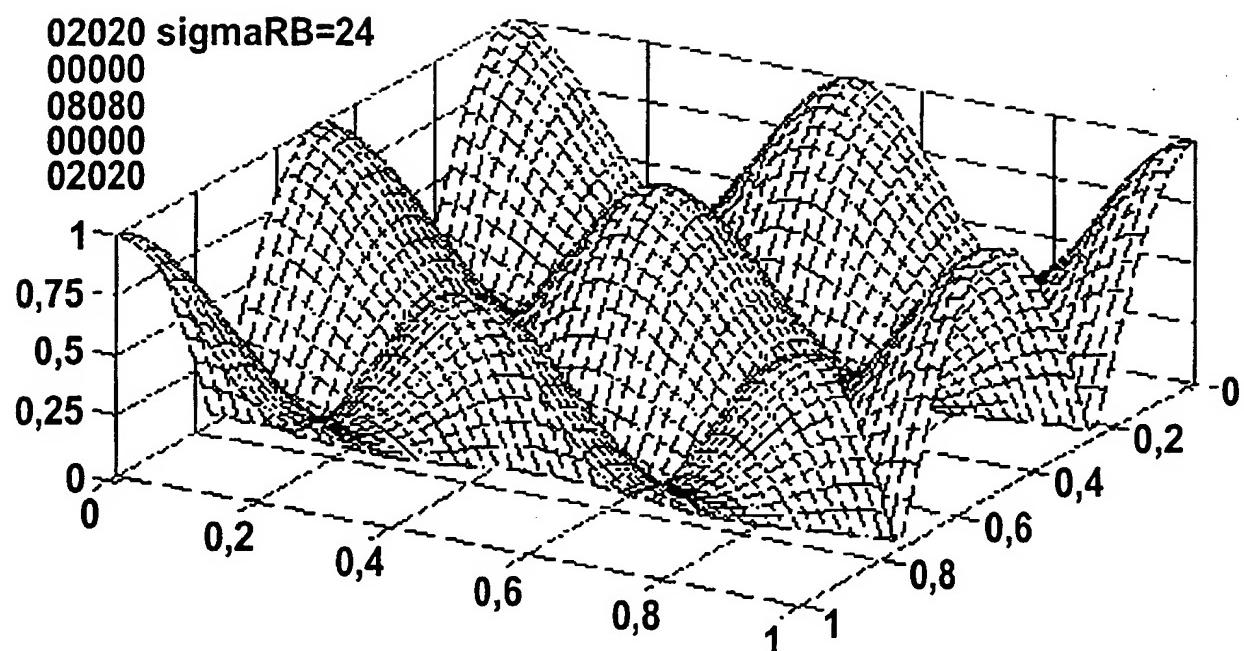
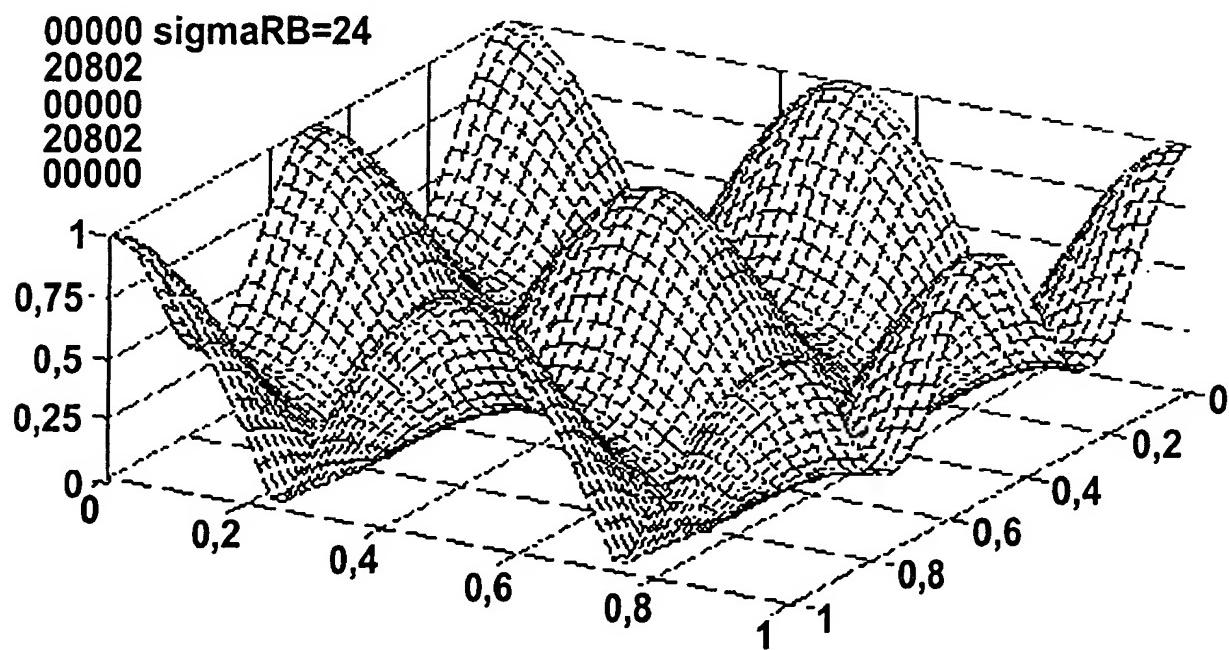


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**Fig. 19****Fig. 20**

**Fig. 21****Fig. 22**

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**Fig. 23****Fig. 24**

**Fig. 25**

Fig. 26

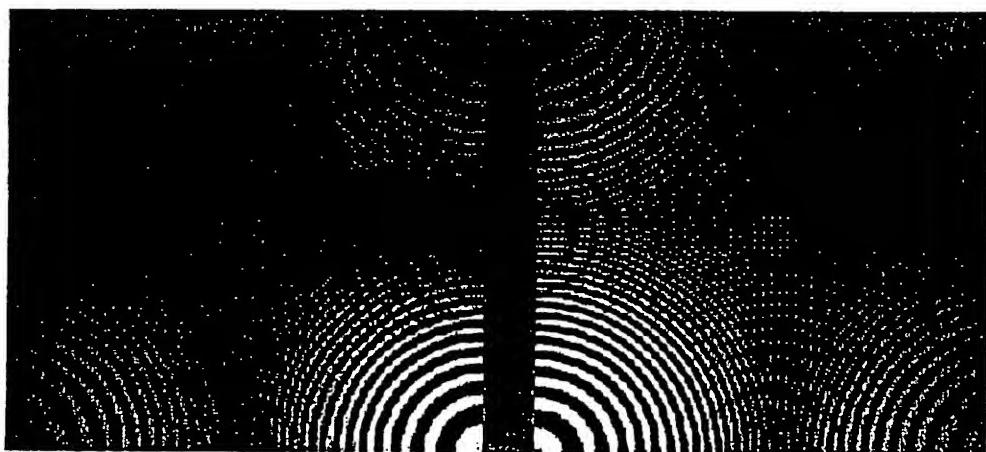
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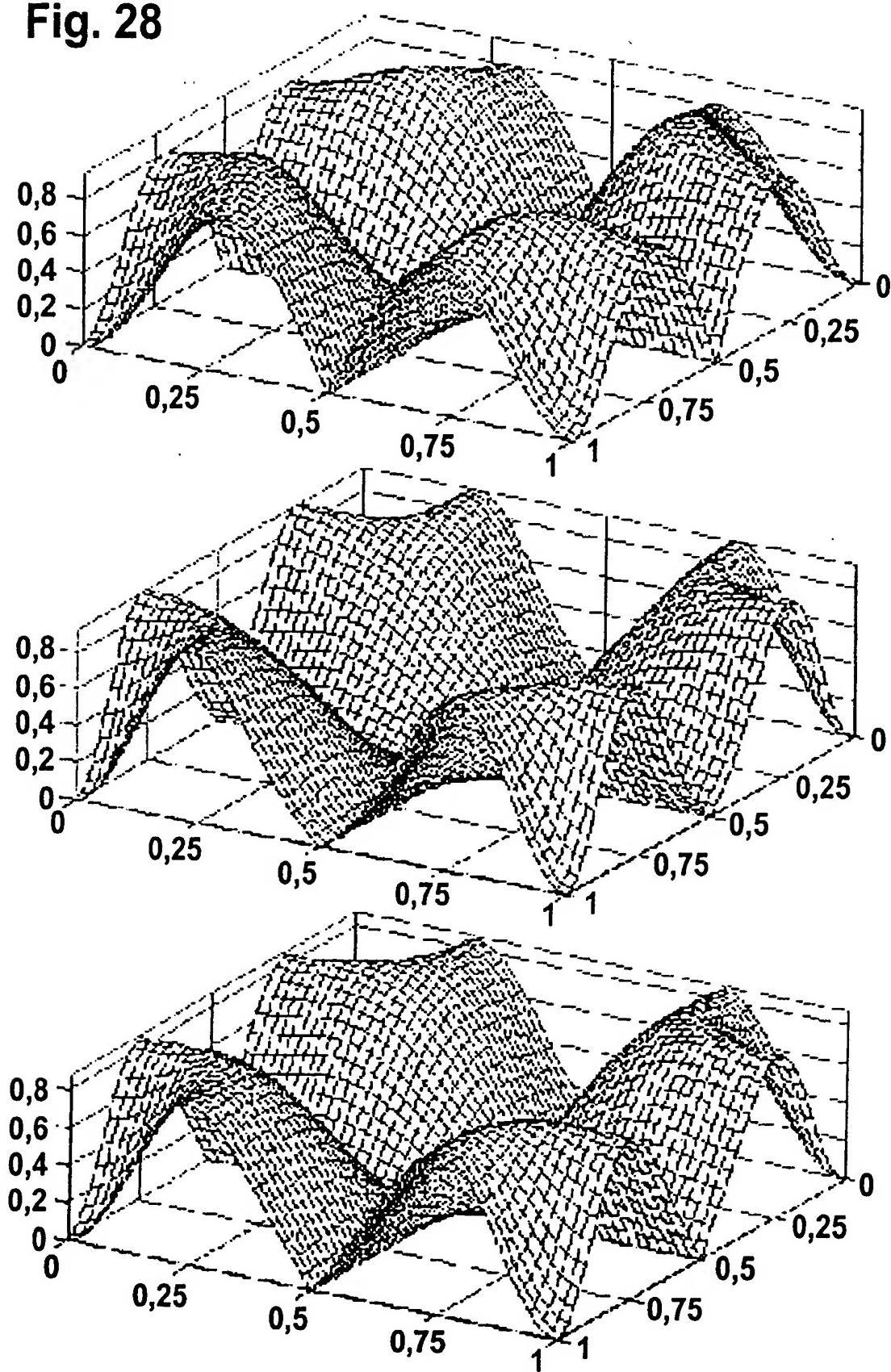
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Fig. 27



**Fig. 28**

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Fig. 29

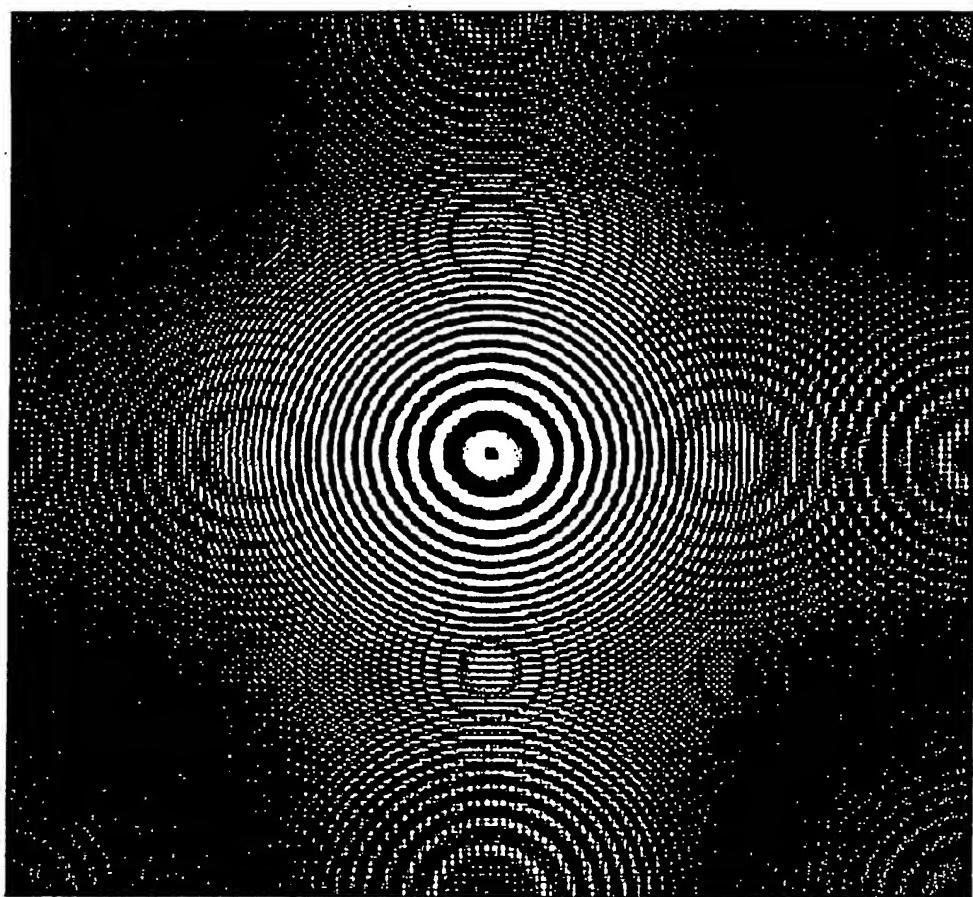
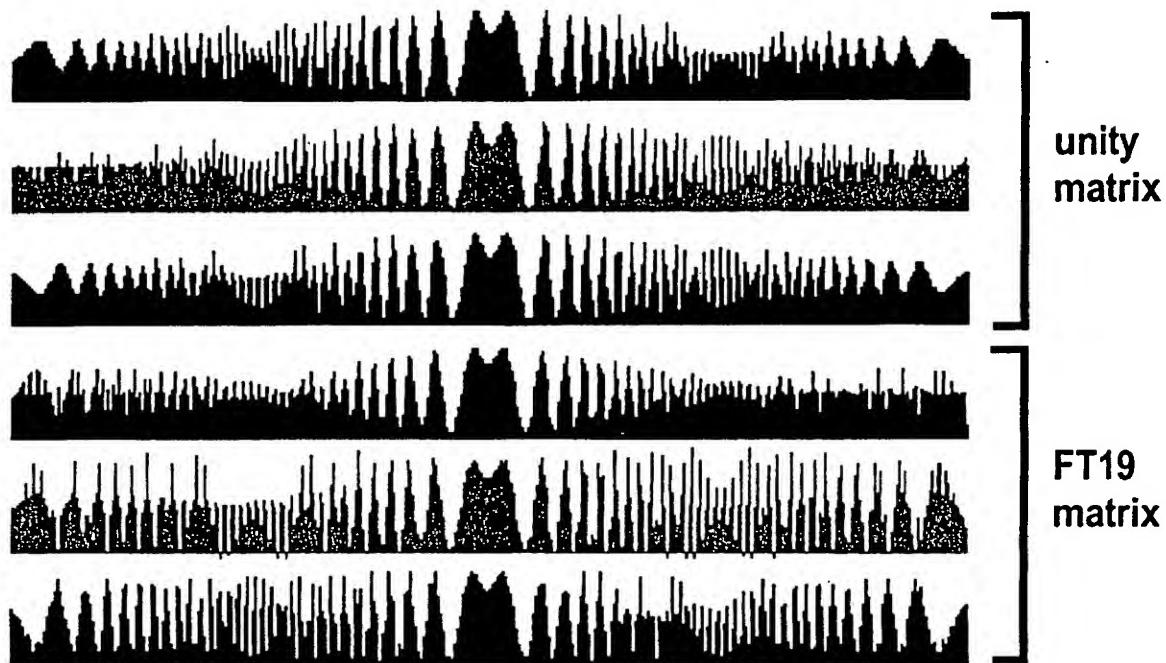


Fig. 30



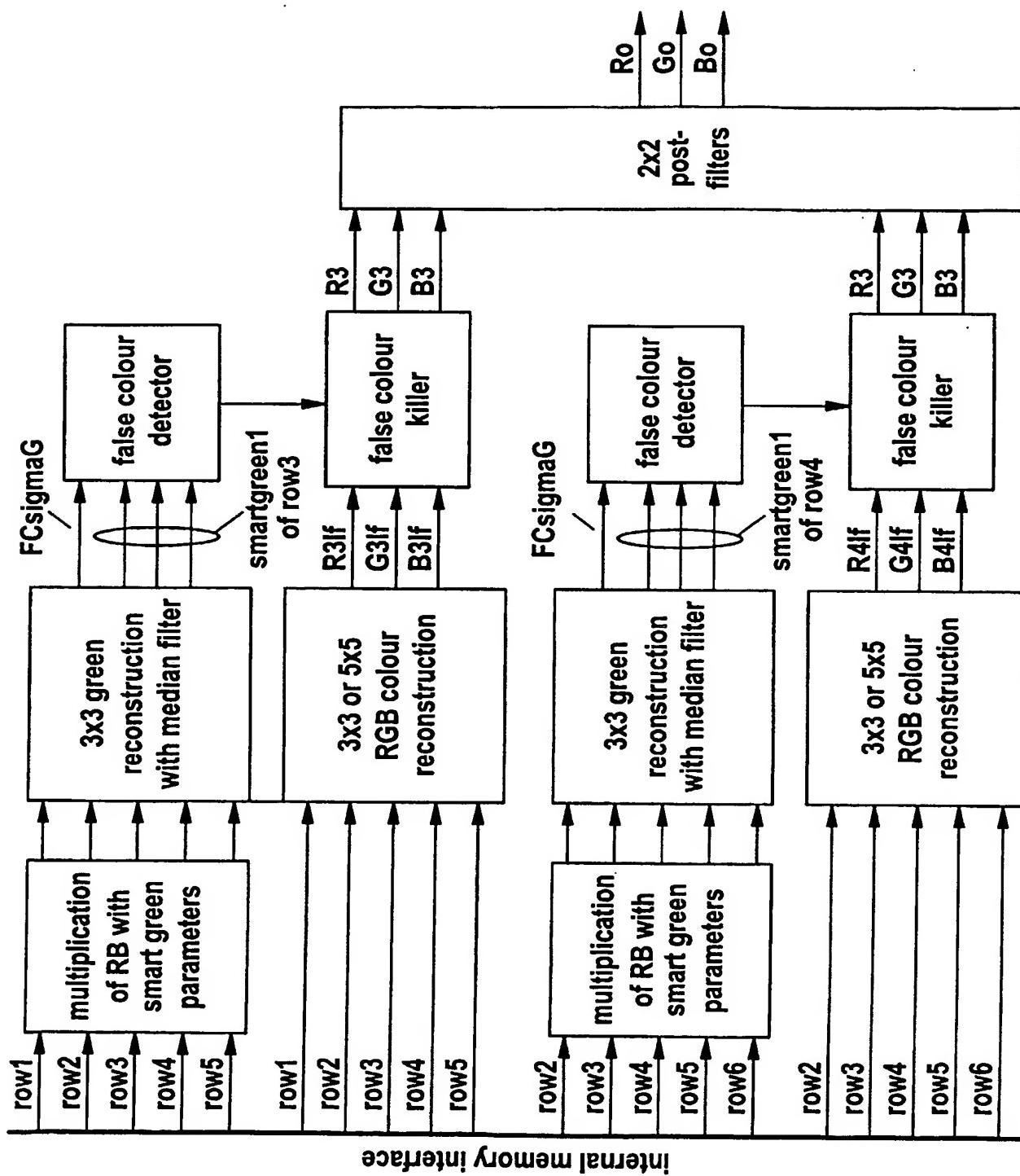


Fig. 31

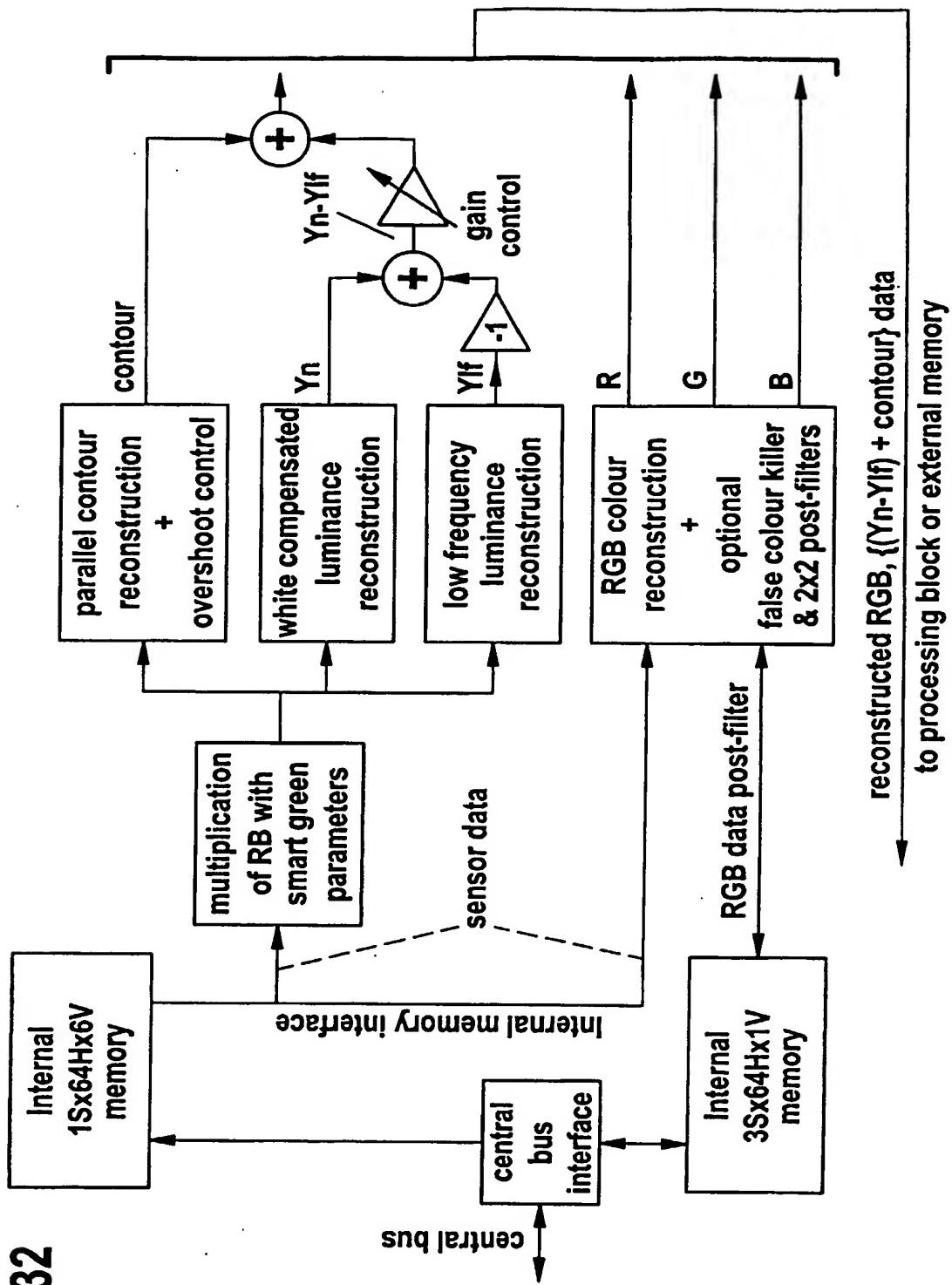


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Fig. 33

real time G  
position

G	0	G
0	G	0
G	0	G

G filter  
weights      G centre  
value

$$\begin{bmatrix} 0 & 1 & 0 \\ 1 & 4 & 1 \\ 0 & 1 & 0 \end{bmatrix}$$

$$/4=G$$

3D transfer

unity, flat

0	G	0
G	0	G
0	G	0

$$\begin{bmatrix} 0 & 1 & 0 \\ 1 & 4 & 1 \\ 0 & 1 & 0 \end{bmatrix}$$

$$/4=G$$

see figure 59

real time R/B  
position

0	0	0
0	R/B	0
0	0	0

R/B filter  
weights      R/B  
centre  
value

$$\begin{bmatrix} 1 & 2 & 1 \\ 2 & 4 & 2 \\ 1 & 2 & 1 \end{bmatrix}$$

$$/4=R/B$$

unity, flat

R/B	0	R/B
0	0	0
R/B	0	R/B

$$\begin{bmatrix} 1 & 2 & 1 \\ 2 & 4 & 2 \\ 1 & 2 & 1 \end{bmatrix}$$

$$/4=R/B$$

see figure 61

0	0	0
R/B	0	R/B
0	0	0

$$\begin{bmatrix} 1 & 2 & 1 \\ 2 & 4 & 2 \\ 1 & 2 & 1 \end{bmatrix}$$

$$/4=R/B$$

see figure 62

0	R/B	0
0	0	0
0	R/B	0

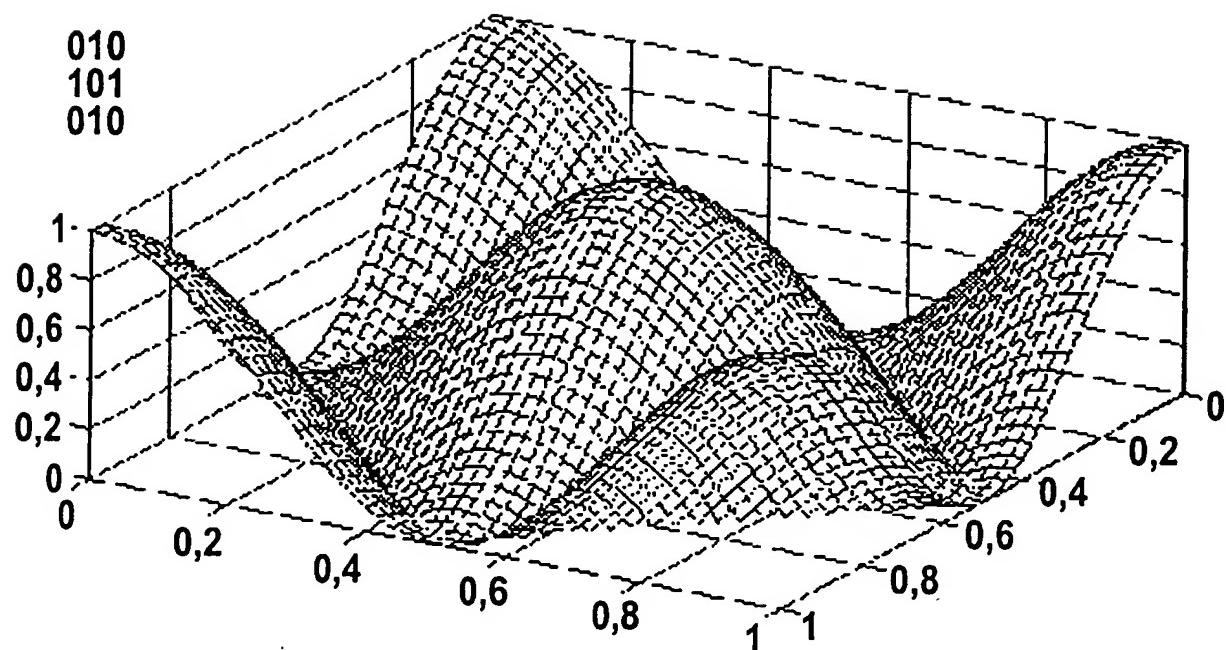
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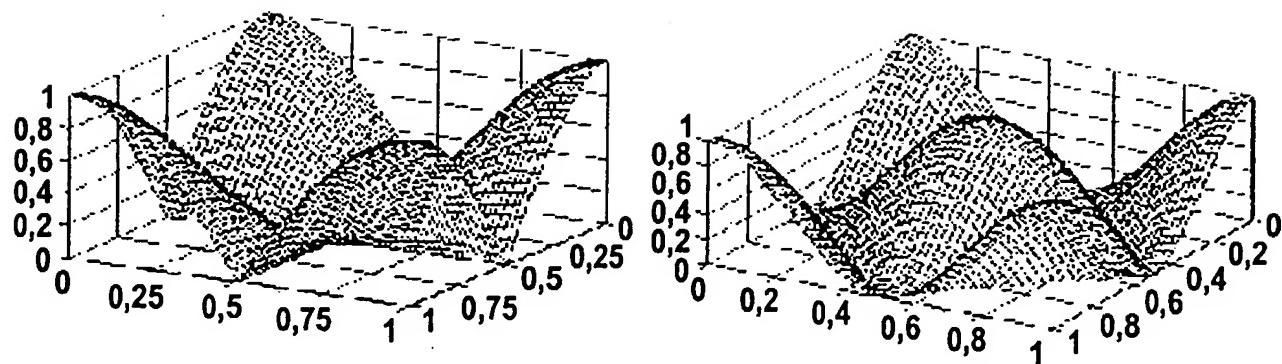
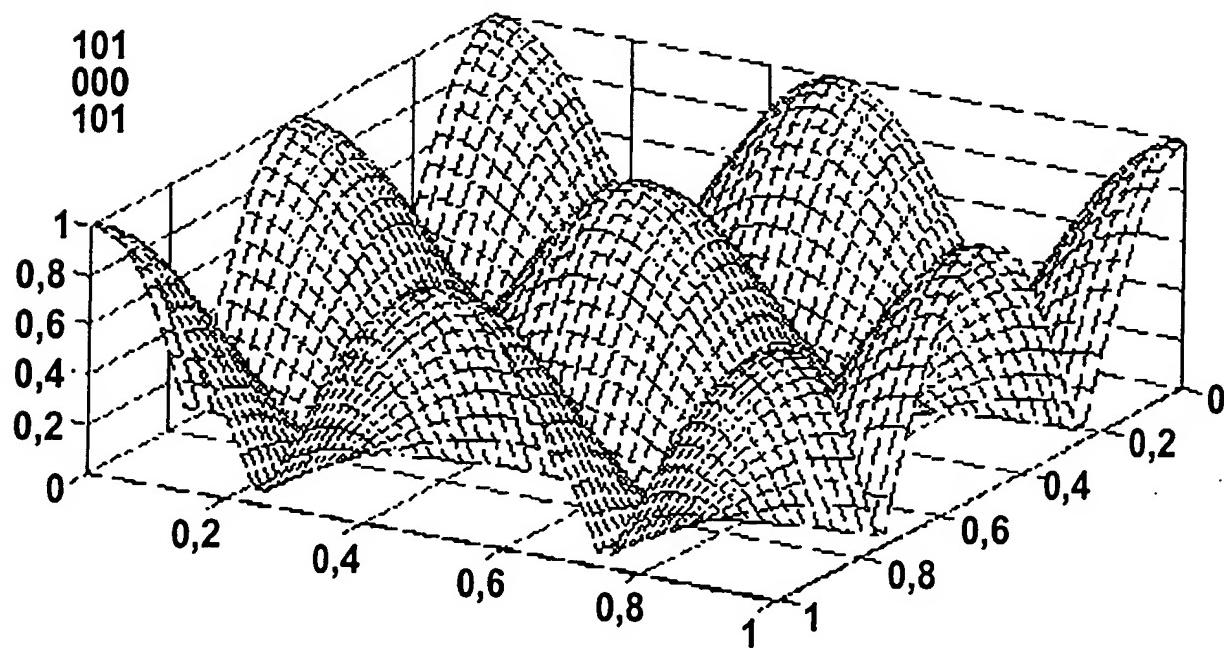
$$/4=R/B$$

see figure 63



= centre value

**Fig. 34**

**Fig. 35****Fig. 36**

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Fig. 37

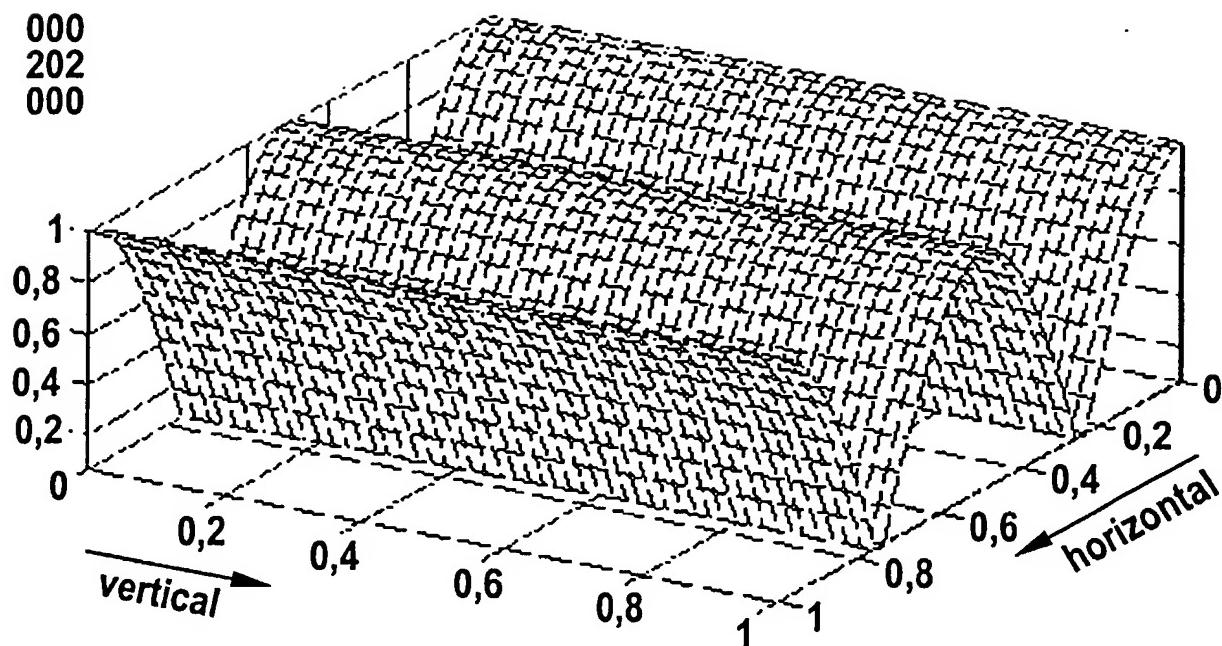
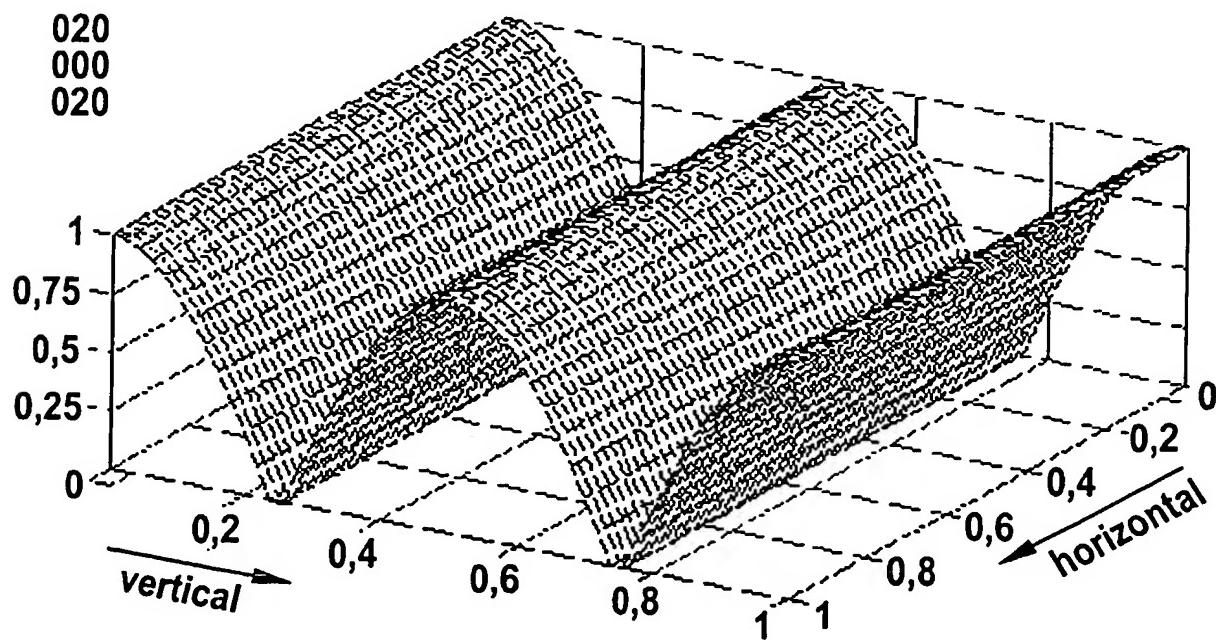
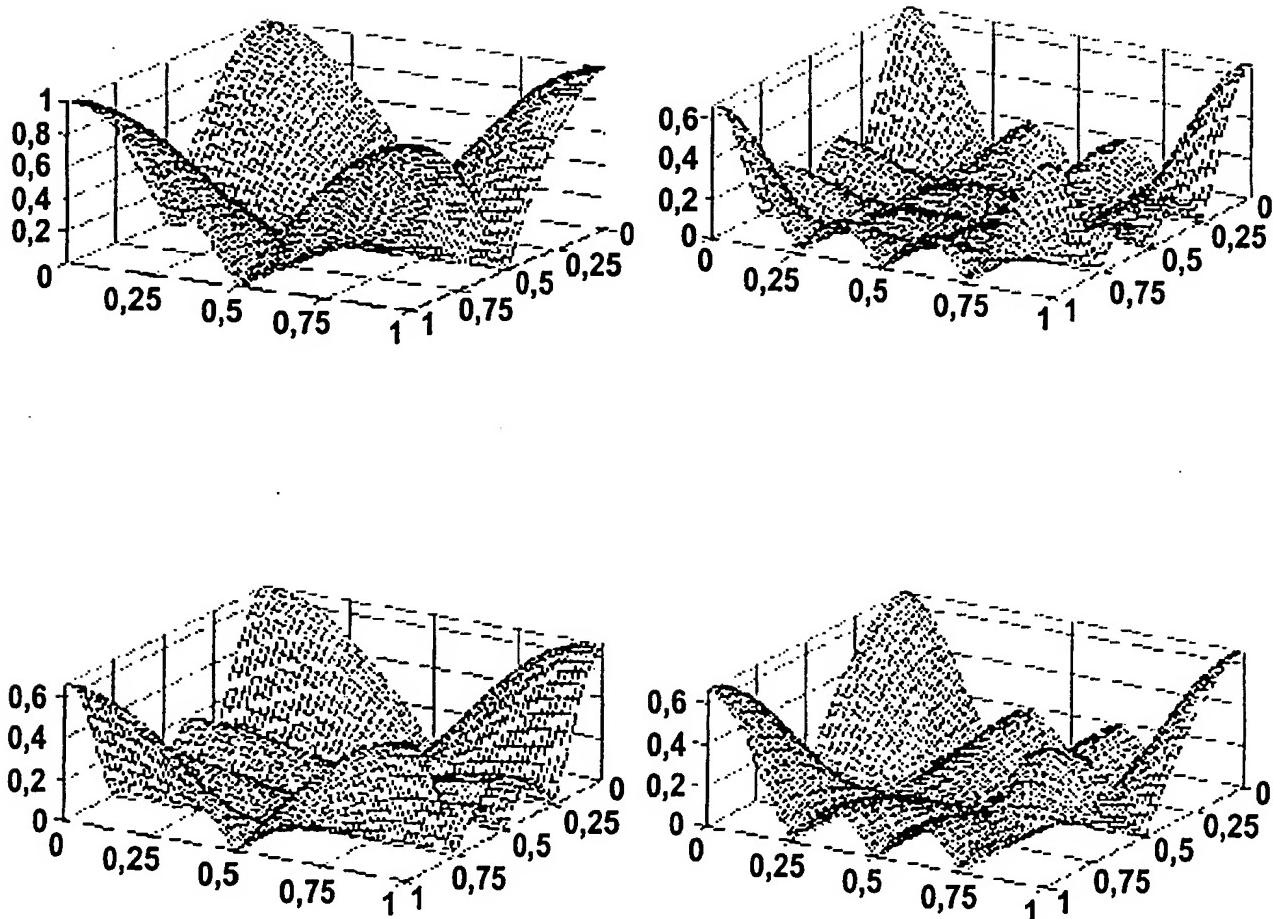
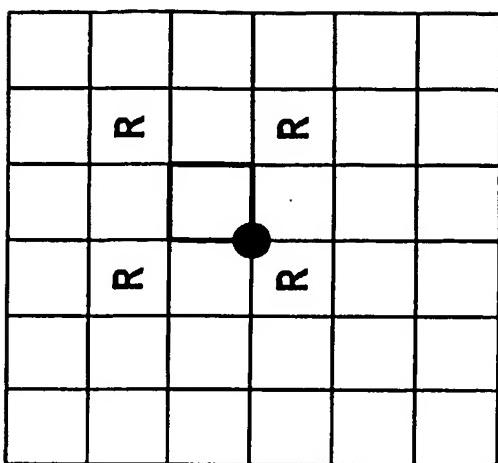


Fig. 38

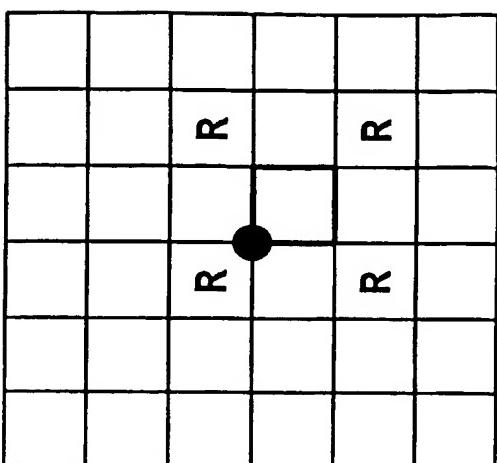


**Fig. 39**

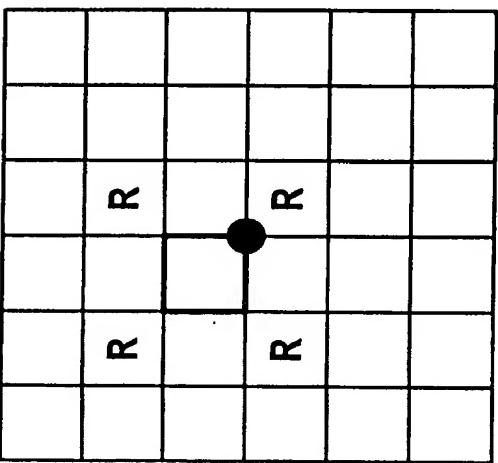
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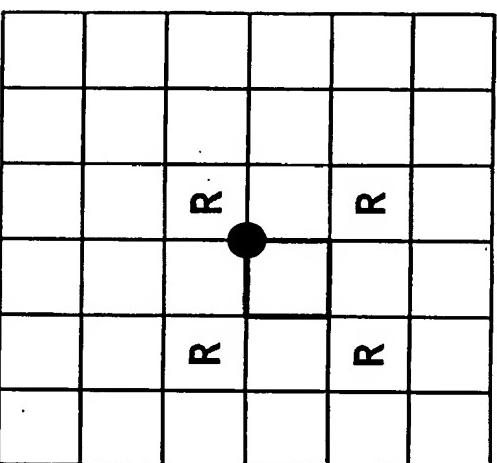
start position 2



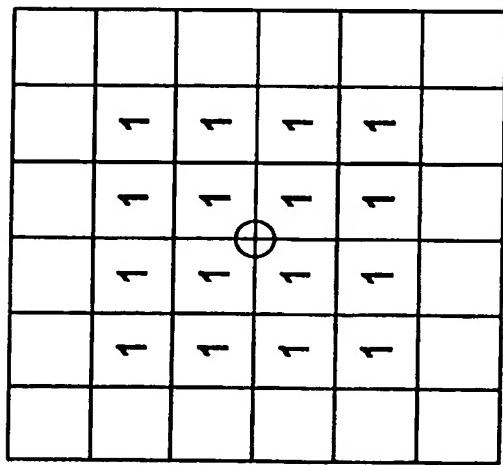
start position 4



start position 1



start position 3



The 4x4 red unity array

○ position of reconstructed  
red averaged over the  
four start positions



red after reconstruction

● position of white  
compensated luminance

Fig. 40

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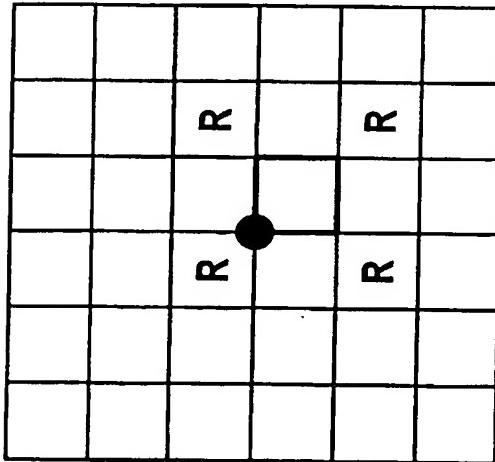
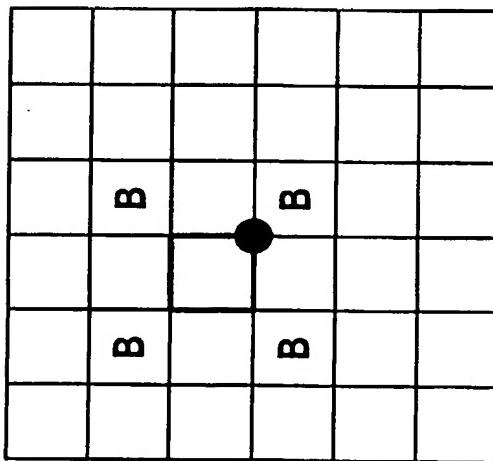
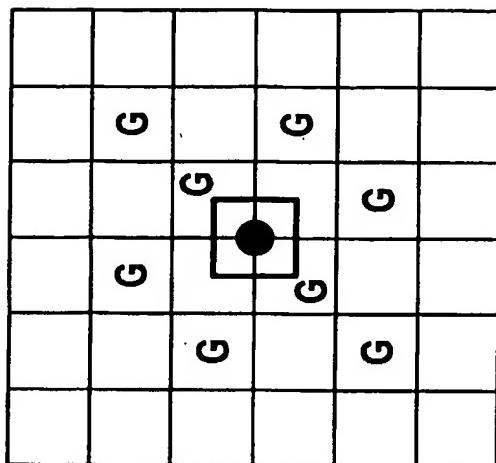
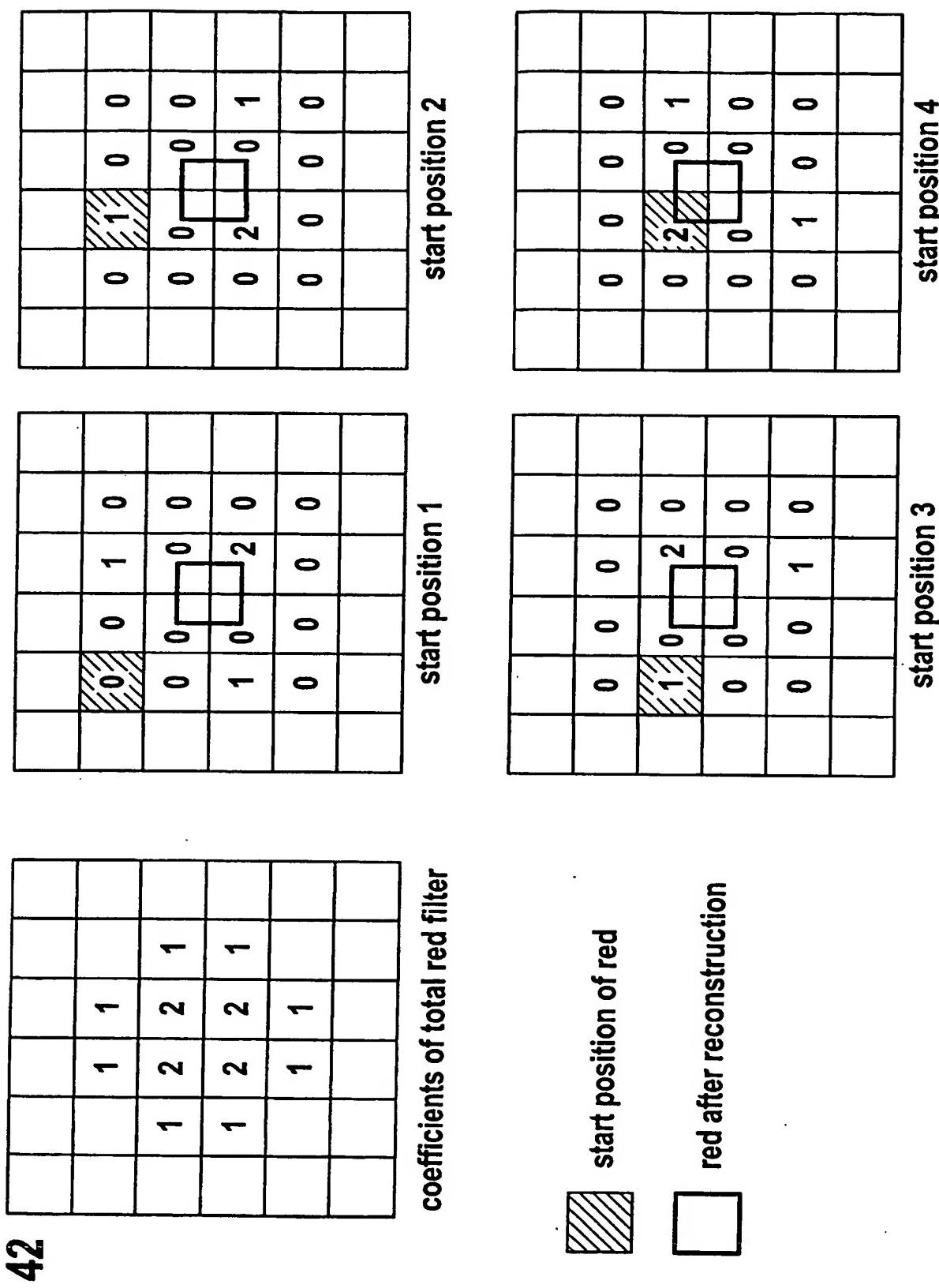
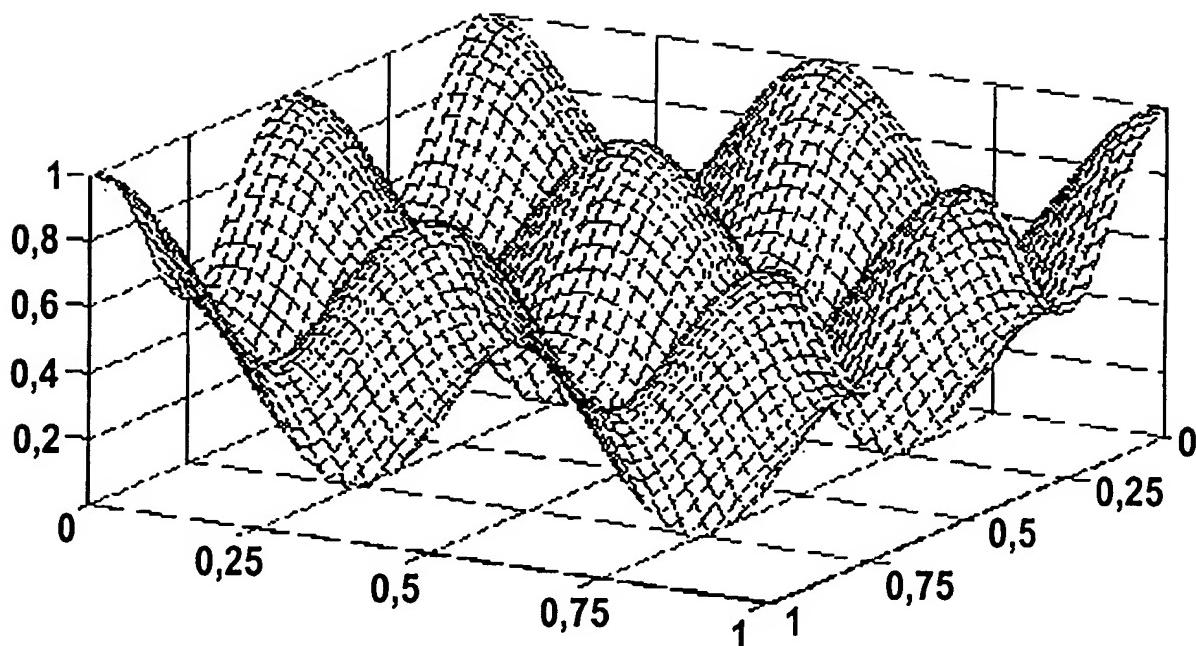


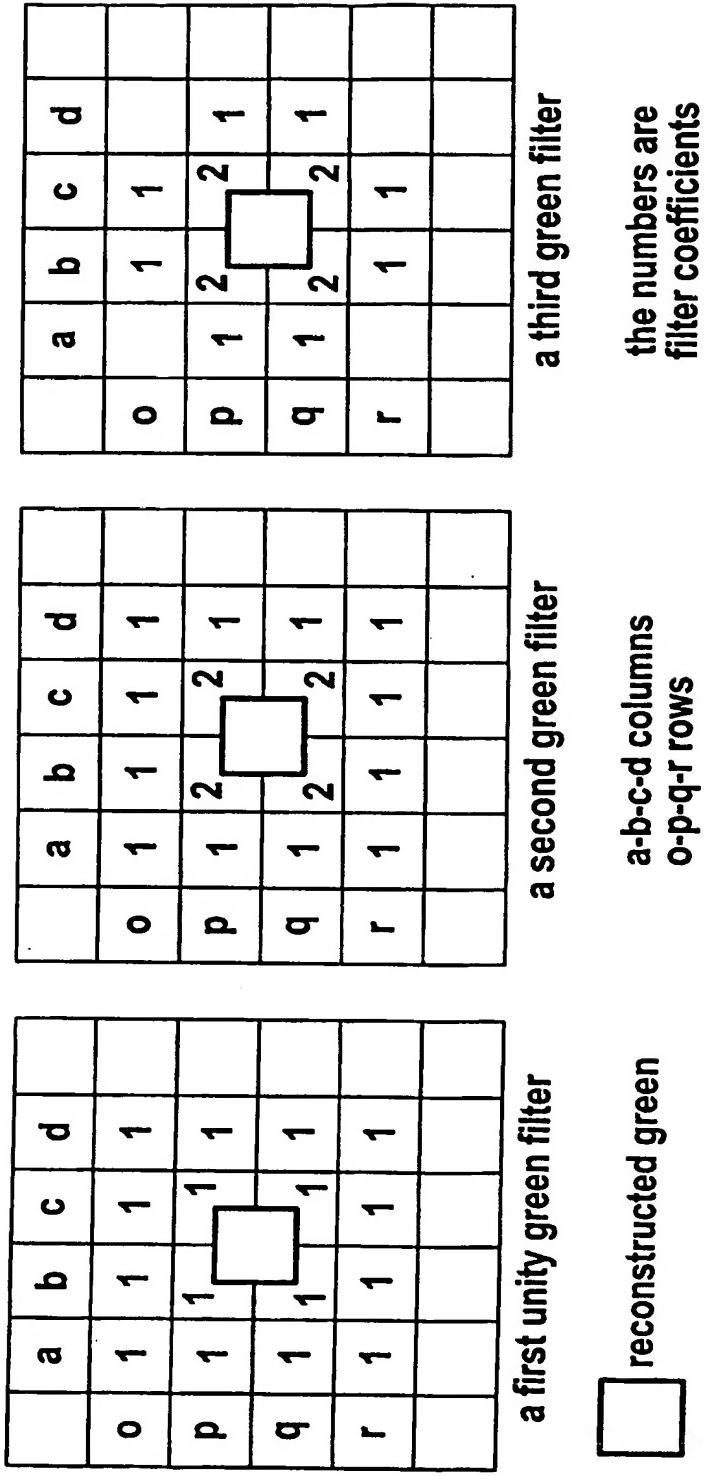
Fig. 41

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**Fig. 43**

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**Fig. 44**

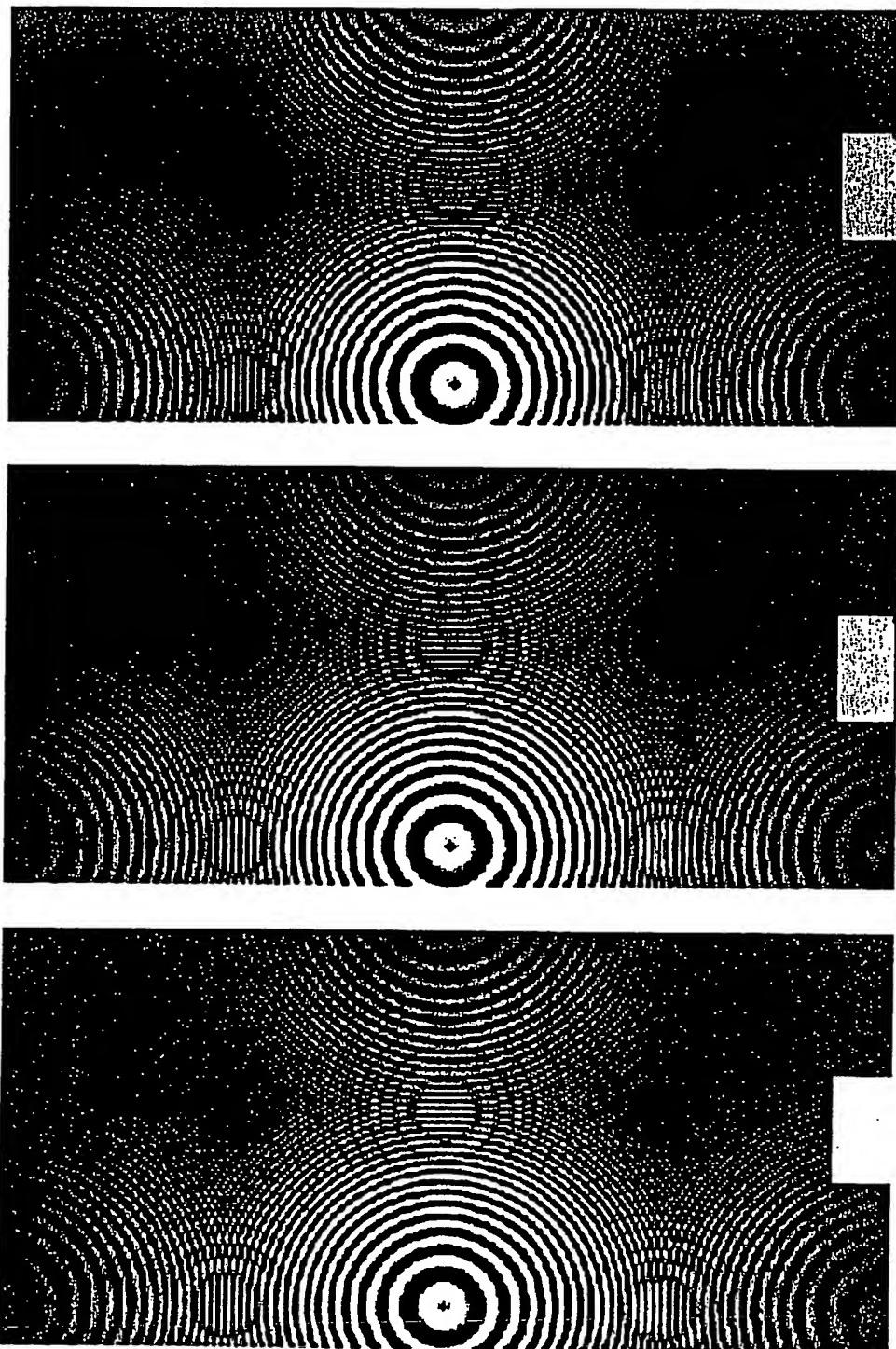
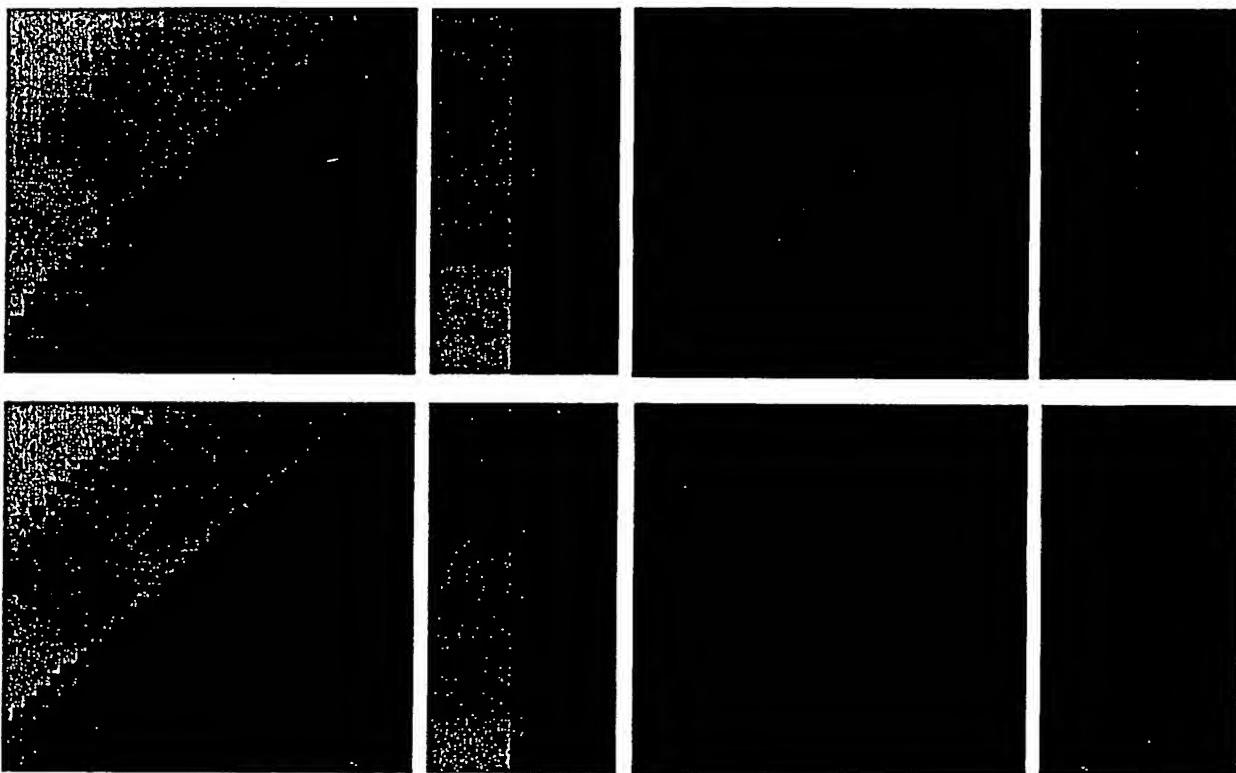
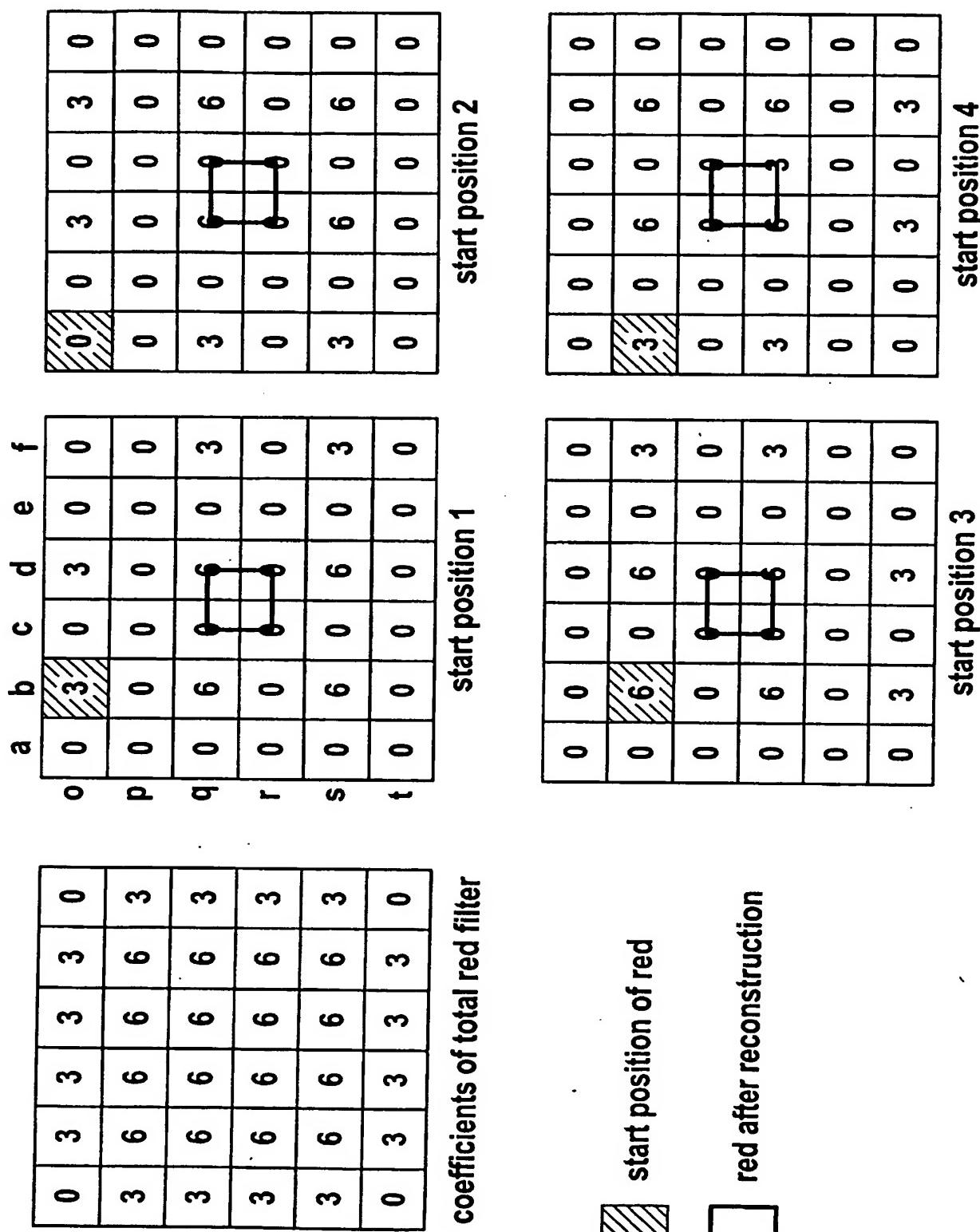
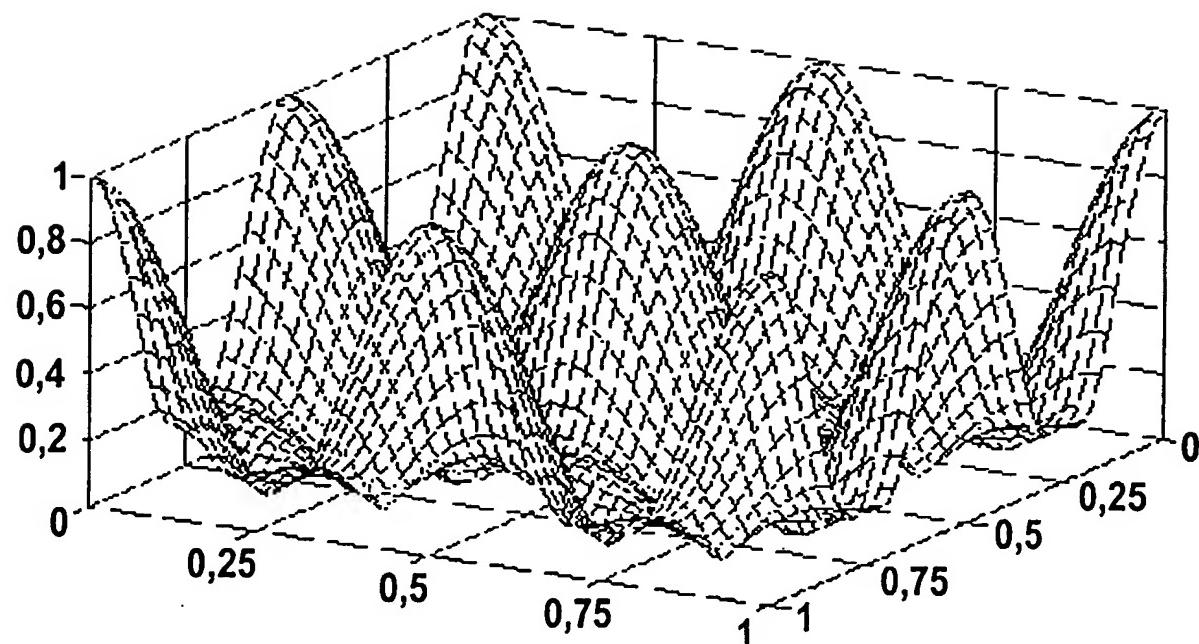
**Fig. 45**

Fig. 46



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**Fig. 48.****Fig. 49**

1	1	2	2	1	1
1	1	2	2	1	1
2	2	4	4	2	2
2	2	4	4	2	2
1	1	2	2	1	1
1	1	2	2	1	1

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Fig. 50

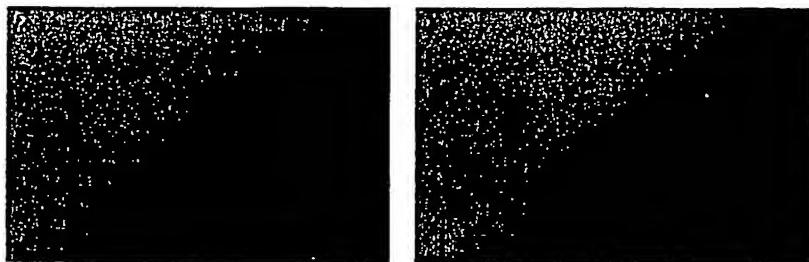


Fig. 51

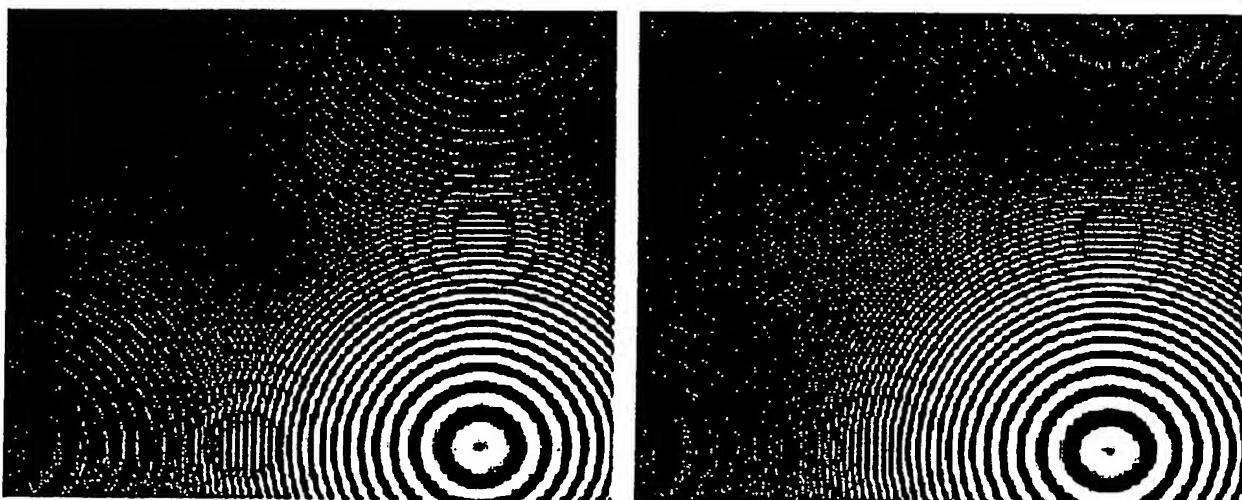
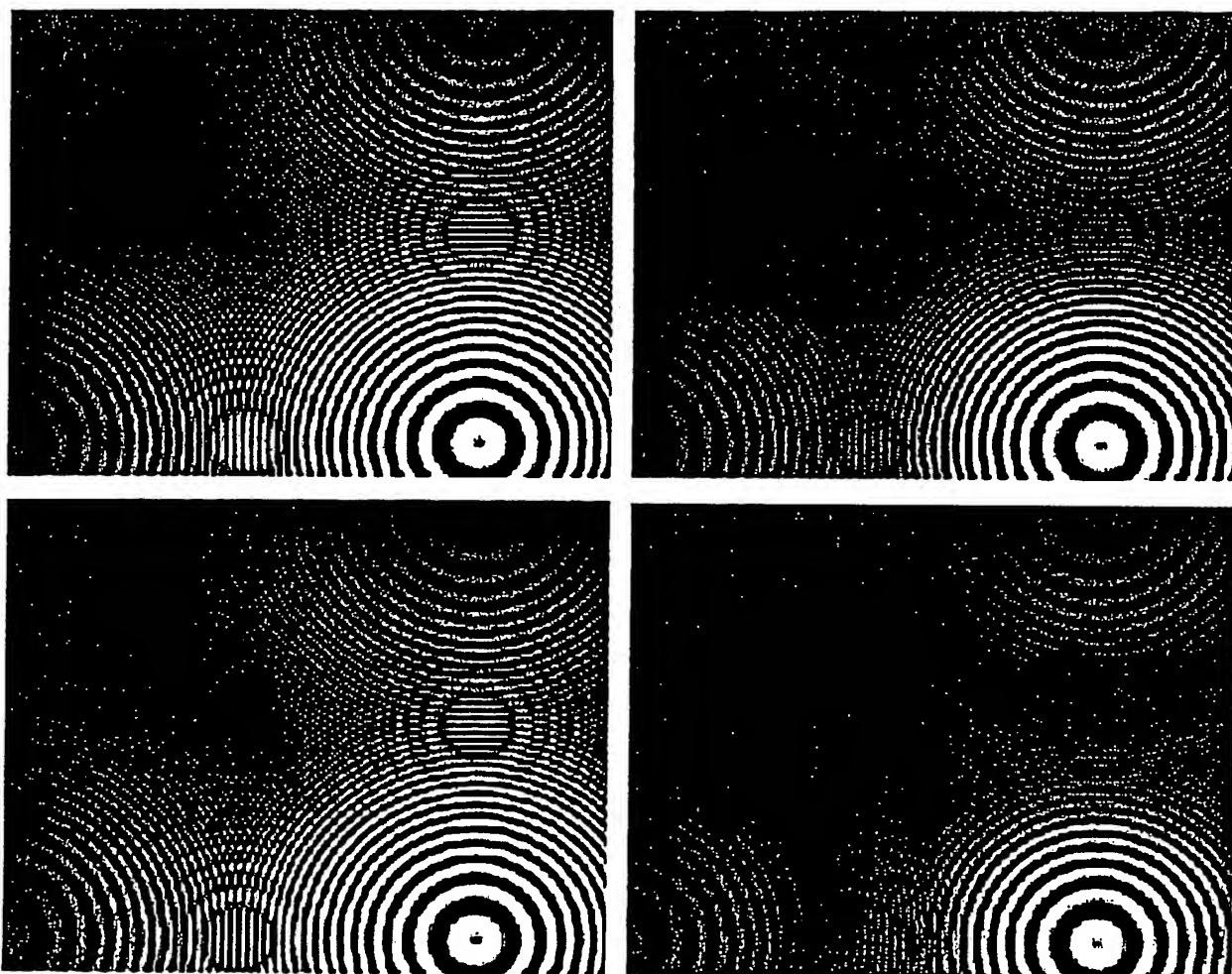
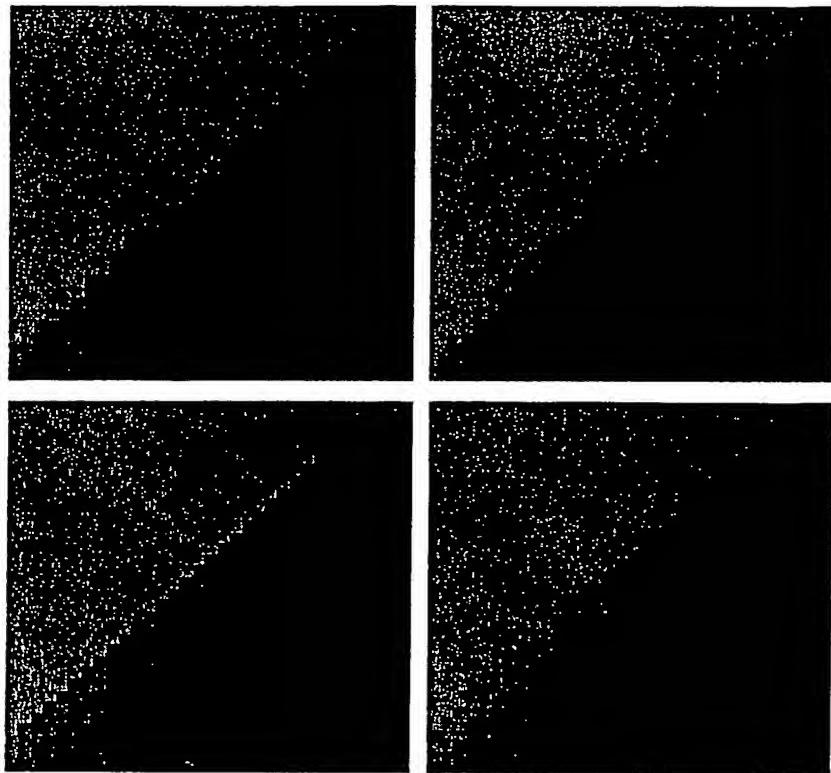


Fig. 52



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Fig. 53



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